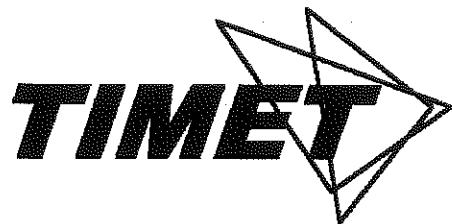


OHOD10910



**TITANIUM METALS CORPORATION
TORONTO, OHIO**
100 Titanium Way
Toronto, OH 43964
740.537.5672

NPDES RENEWAL APPLICATION
Ohio EPA Permit No. 0IE00010*GD

January 2006

Prepared by:
Amendola Engineering, Inc.
Westlake, Ohio

TABLE OF CONTENTS

Form 1

Form 2C

Attachment 1 – Production Rates and Calculation of Technology-Based Effluent Limits

Form 2F

Figures

Figure 1 – Topographic Map

Figure 2 – Site Drainage Map

Figure 3 – Water Flow Schematic

Antidegradation Addendum

Antidegradation Review Attachment A

Antidegradation Review Attachment B

Antidegradation Review Attachment C

FORM 1

FORM 1	 EPA	U.S ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>			I. EPA I.D. NUMBER 5 F 1 2 13 14 15 OH0010910
LABEL ITEMS EPA I.D. NUMBER III. FACILITY NAME IV. FACILITY MAILING ADDRESS V. FACILITY LOCATION			PLEASE PLACE LABEL IN THIS SPACE		
II. POLLUTANT CHARACTERISTICS					
INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.					
SPECIFIC QUESTIONS			SPECIFIC QUESTIONS		
MARK 'X'			MARK 'X'		
YES NO FORM ATTACHED			YES NO FORM ATTACHED		
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A) 16 17 18			B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B) 19 20 21		
Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C) 22 23 24			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D) 25 26 27		
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3) 28 29 30			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4) 31 32 33		
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4) 34 35 36			H. Do you or will you inject at this facility fluids for special processes such as mining or minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4) 37 38 39		
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) 40 41 42			J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) 43 44 45		
III. NAME OF FACILITY					
C 1 SKIP Titanium Metals Corporation 16 - 19					
IV. FACILITY CONTACT					
A. NAME & TITLE (last, first, & title) C 2 Bottoff, Thomas - Environmental Engineer 15 16					
B. PHONE (area code & no.) 45 46 - 48 740 537 5672 19 - 51 52 - 55					
V. FACILITY MAILING ADDRESS					
A. STREET OR P.O. BOX C 3 P.O. Box 309 15 16					
B. CITY OR TOWN C 4 Toronto 15 16					
C. STATE D. ZIP CODE OH 43964 46 47 48 52					
VI. FACILITY LOCATION					
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER C 5 100 Titanium Way 15 16					
B. COUNTY NAME Jefferson 70					
B. CITY OR TOWN C 6 Toronto 18 19					
D. STATE E. ZIP CODE F. COUNTY CODE OH 43964 41 42 47 51 52 54					

FORM 2C

FORM
2C
NPDES

EPA I.D. NUMBER (copy from item 1 of form 1)

OH0010910

U.S. ENVIRONMENTAL PROTECTION AGENCY

APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS
(Consolidated Permits Program)

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER	B. LATITUDE			B. LONGITUDE			D. RECEIVING WATER NAME (name)
	1. DEG	2. MIN	3. SEC	1. DEG	2. MIN	3. SEC	
001	40	26	59	80	36	34	Jeddo Run
002	40	26	58	80	36	33	Jeddo Run
003	40	26	57	80	36	30	Jeddo Run
004	40	26	49	80	36	29	Ohio River

FLows, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in item B. Construct a water balance line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g. for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment facilities.
- B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUT-FALL NO.	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Non-contact cooling water; Storm water run-off; Steam condensate; Miscellaneous non-process wastewaters	0.022 mgd	None	4-A	
002	Non-contact cooling water; Storm water run-off; Steam condensate	0.048 mgd	None	4-A	
003	Non-contact cooling water; Storm water run-off; Steam condensate	0.297 mgd	None	4-A	
004	Non-contact cooling water; Storm water run-off; Steam condensate	0.571 mgd	None	4-A	
	Continued to next page				

OFFICIAL USE ONLY (effluent guidelines sub-categories)

EPA I.D. NUMBER (copy from item 1 of form 1)

OH0010910

FORM
2C
NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS
(Consolidated Permits Program)

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER NAME (name)
	1. DEG	2. MIN	3. SEC	1. DEG	2. MIN	3. SEC	
006	40	26	46	80	36	29	Ohio River
602	40	26	43	80	36	31	Internal Monitoring Station to Outfall 006

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in item B. Construct a water balance line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g. for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment facilities.
- B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO.	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
006	<u>Non-contact cooling water;</u> <u>Wastewater Treatment Plant</u> <u>Outfall 602;</u> <u>Steam condensate;</u> <u>Storm water runoff;</u> <u>Compressed air dryers;</u> <u>Deaeration, boiler blowdown, water softener, air dryer condensate;</u> <u>Miscellaneous non-process waters</u>	1.44 mgd	None	4-A
602	<u>Forge Quench blowdown;</u> <u>Surface Treatment Spent Baths and Rinsewaters:</u> <u>descale pickling, strip pickling, sheet pickling, plate pickling;</u> <u>Alkaline Cleaning Spent Bath and Rinsewaters:</u> <u>continuous vacuum annealing</u> <u>Wet Air Pollution Control Scrubbers;</u> <u>Miscellaneous wastewaters</u>	0.054 mgd	Flow equalization; chemical precipitation; flocculation; settling; rapid sand filtration	2-C; 1-G; 1-U; 1-R

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM PAGE 1

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

 YES (complete the following table) NO (go to section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				c. DUR- ATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)	b. TOTAL VOLUME (specify with units)	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
602	Forge Quench blowdown to wastewater treatment plant	Approximately once / 30 days		10 to 20 gpm	20,000 gallons			1
602	Spent baths and rinsewater from plate pickling	Approximately once / 90 days		Approximately 30,000 gallons hauled to wastewater treatment plant				1

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

 YES (complete Item III-B) NO (go to section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?

 YES (complete Item III-C) NO (go to section IV)

If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
Refer to Attachment 1			

IV. IMPROVEMENTS

A. Are you required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

 YES (complete the following table) NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. RE- QUIRED	b. PRO- JECTED

OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

 MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED.

EPA I.D. NUMBER (copy from item 1 of form 1)

OH0010910

CONTINUED FROM PAGE 2

INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
None			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)

NO (go to item VI-B)

CONTINUED FROM PAGE 3

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to discharge within the last 3 years?

YES (Identify the test(s) and describe their purposes below)

NO (go to Section VIII)

Toxicity testing was conducted at Outfall 006 as part of an Ohio EPA inspection in November 2004.

VIII. CONTRACT ANALYSIS INFORMATION

Were any analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Verne Trent Laboratories, Inc.	301 Alpha Drive Pittsburgh, PA 15238	412.963.7058	All

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (type or print)

Robert Pyrstaloski, Plant Manager

B. PHONE NO. (area code & no.)

740.537.5604

NATURE



D. DATE SIGNED

125/06

CONTINUED FROM... THE FRONT
this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT		3. UNITS		4. INTAKE (if optional)			
	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	d. NO OF ANALYSES	a. CONCEN- TRATION (2) MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS		
a. Biochemical Oxygen Demand (BOD)	< 2.0	< 0.015			1	MG/L	KG/DAY	< 2.0
b. Chemical Oxygen Demand (COD)	< 20	< 0.151			1	MG/L	KG/DAY	15.6 *
c. Total Organic Carbon (TOC)	4.5	0.034			1	MG/L	KG/DAY	1.7
d. Total Suspended Solids (TSS)	79	4.750	79	4.75	0.48	31	MG/L	< 4.0
e. Ammonia (as N)	< 2.0	< 0.015			1	MG/L	KG/DAY	< 2.0
f. Flow	0.444	0.041		0.022	913	MGD		
g. Temperature (winter)	19.0	VALUE	VALUE	12.9	60	DEG C	20	1
h. Temperature (summer)	23.0	VALUE	VALUE	18.3	64	DEG C	-	
i. pH	6.8	8.8	MINIMUM --	MAXIMUM --	121	STANDARD UNITS		
PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly, but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.								
3. EFFLUENT		4. UNITS		5. INTAKE (if optional)				
1. POLLUTANT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	d. NO OF ANALYSES	a. CONCEN- TRATION (2) MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANALYSES	
2. MARK 'X'	a. BE- b. BE- LIEVED PRE- SENT							
a. Bromide (24958-67-9)	X	0.23	0.002		1	MG/L	KG/DAY	0.13 *
b. Chlorine, Total Residual	X	< 0.030	< 0.0002		1	MG/L	KG/DAY	0.04
c. Color	X	< 25			1	ADMI	< 25	1
d. Fecal Coliform	X							
e. Fluoride (16984-48-8)	X	20.7	0.392	1.30	31	MG/L	KG/DAY	1.4
f. Nitrate-Nitrite (cas N) □	X	2.8	0.021		1	MG/L	KG/DAY	0.87

NOTES: INTAKE COD RESULT BELOW REPORTING LIMIT OF 20 MG/L; INTAKE BROMIDE RESULT BELOW REPORTING LIMIT OF 0.20 MG/L

ITEM V-B CONTINUED FROM FRONT

2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE (if optional) L.	
1. POLLUTANT AND CAS NO.	a. BE-LEVED PRESENT	b. MAXIMUM DAILY VALUE CONCENTRATION (1)	b. MAXIMUM 30 DAY VALUE CONCENTRATION (1)	c. LONG TERM AVERAGE VALUE CONCENTRATION (1)	c. LONG TERM AVERAGE VALUE CONCENTRATION (1)	d. NO. OF ANALYSES	e. LONG TERM AVERAGE VALUE CONCENTRATION (1)
		(2) MASS	(2) MASS	(2) MASS	(2) MASS	(2) MASS	(2) MASS
g. Nitrogen, L (gas NH ₃)	X	<3.0	<0.023				
h. Oil and Grease	X	44.0	3.95	11.0	0.99	1	MGL
i. Phosphorus, L (gas P), Total (7723-14-0)	X	1.1	0.008	< 5.0	< 0.042	121	KG/DAY < 3.0
j. Radioactivity							
(1) Alpha, Total	X						
(2) Beta, Total	X						
(3) Radium, Total	X						
(4) Radium, 226, Total	X						
k. Sulfate, L (gas SO ₄ -2, L) (14808-79-8)	X	72.6	0.50			1	MGL KG/DAY 104
l. Sulfide, L (gas SH) (1425-45-3)	X	0.80 *	0.006			1	MGL KG/DAY 0.60 *
m. Sulfite, L (gas SO ₃ -2, L) (1425-42-8)	X	< 2.0	< 0.015			1	MGL KG/DAY < 2.0
n. Surfactants, Total	X	< 0.20	< 0.002			1	MGL KG/DAY < 0.20
o. Aluminum, Total	X	62.3	0.0005			1	UGL KG/DAY 19.7 *
p. Boron, Total	X	32.5	0.0002			1	UGL KG/DAY 62.2
q. Boron, Total (7440-39-3)							
r. Cobalt, Total (7440-42-8)	X	0.16 *	0.000001			1	UGL KG/DAY 0.12 *
s. Iron, Total (7439-89-6)	X	104	0.00019			1	UGL KG/DAY 508
t. Magnesium, Total (7435-9-54)	X	10.1	0.076			1	MGL KG/DAY 13.30
u. Molybdenum, Total (7440-3-15)	X	5.2	0.00004			1	UGL KG/DAY 15.2
v. Manganese, Total (7435-8-5)	X	218	0.0157	18.9	0.0010	31	UGL KG/DAY 481
w. Tin, Total (7440-3-15)	X	< 1.5	< 0.00001			1	UGL KG/DAY < 1.5
x. Titanium, Total (7440-3-2-6)	X	34	0.0003			1	UGL KG/DAY 7.4

NOTES: SULFIDE RESULT BELOW REPORTING LIMIT OF 1.0 MG/L; COBALT RESULT BELOW REPORTING LIMIT OF 0.50 UG/L; INTAKE ALUMINUM RESULT BELOW REPORTING LIMIT OF 0.50 UG/L; INTAKE COBALT RESULT BELOW REPORTING LIMIT OF 0.50 UG/L

EPA Form 3510-2C (8-80)

PAGE V-2

CONTINUE ON PAGE V-3

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2-c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 12-a for all such GC/MS fractions that apply to your industry and for total phenols.

If you are not required to mark column 2-a, if (secondary industries, nonprocesses) wastewater outfalls, and nonrequired GC/MS fractions) mark "X" in column 2-b for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (Total 7 Pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> (if available)	2. MARK "X" a. TEST- ING LIEVED RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (Optional) <input type="checkbox"/>					
				a. MAXIMUM DAILY VALUE <input type="checkbox"/> (if available)	b. MAXIMUM 30 DAY VALUE <input type="checkbox"/> (if available)	c. LONG TERM AVERAGE VALUE <input type="checkbox"/> (if available)	d. NO. OF ANALYSES	e. CONCEN- TRATION	f. NO. OF ANALYSES	g. CONCEN- TRATION	h. NO. OF ANALYSES		
METALS, CYANIDE, AND TOTAL PHENOLS				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS		
1M. Antimony, Total (7440-36-0)	X			0.42 *	0.000003			1	UG/L	KG/DAY	<2.0		
2M. Arsenic, Total (7440-36-2)	X			0.65 *	0.000005			1	UG/L	KG/DAY	0.43 *		
3M. Beryllium, Total (7440-41-7)	X			<1.0	<0.000008			1	UG/L	KG/DAY	<1.0		
4M. Cadmium, Total (7440-33-9)	X			<1.0	<0.000008			1	UG/L	KG/DAY	<1.0		
5M. Chromium, Total, (7440-74-3)	X			5.5	0.000042			1	UG/L	KG/DAY	4.2		
6M. Copper, Total (7440-50-8)	X			55	0.019	0.019	3.91	0.00011	31	UG/L	KG/DAY	19.6	
7M. Lead, Total (7439-92-1)	X			0.26 *	0.000002			1	UG/L	KG/DAY	1.2		
8M. Mercury, Total (7439-97-6)	X			<0.20	<0.000002			1	UG/L	KG/DAY	<0.20		
9M. Nickel, Total (7440-02-0)	X			0.96 *	0.000007			1	UG/L	KG/DAY	5.0		
10M. Selenium, Total, (7782-49-2)	X			2.3 *	0.000017			1	UG/L	KG/DAY	<5.0		
11M. Silver, Total (7440-22-4)	X			<1.0	<0.000008			1	UG/L	KG/DAY	<1.0		
12M. Thallium, Total (7440-28-0)	X			<0.057	<0.000004			1	UG/L	KG/DAY	<1.0		
13M. Zinc, Total (7440-66-6)	X			264	0.019	264	0.019	48.5	0.0019	31	UG/L	KG/DAY	34.8
14M. Cyanide, Total, (57-12-5)	X									MGL	-	<0.010	
15M. Phenols, Total	X									MGL	-	0.009 *	
Dioxin												1	
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (176-01-6)													
DESCRIBE RESULTS													

NOTES: ANTIMONY BELOW REPORTING LIMIT OF 2.0 UG/L; ARSENIC RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 1.0 UG/L; LEAD RESULT BELOW REPORTING LIMIT OF 1.0 UG/L; NICKEL RESULT BELOW REPORTING LIMIT OF 1.0 UG/L; SELENIUM RESULT BELOW REPORTING LIMIT OF 5.0 UG/L; INTAKE PHENOLS BELOW REPORTING LIMIT OF 0.010 MG/L AND PHENOLS DETECTED IN METHOD BLANK

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> (if available)	2. MARK <input checked="" type="checkbox"/>	3. EFFLUENT	4. UNITS		5. INTAKE <input type="checkbox"/> (optional) <input type="checkbox"/>										
			a. TEST- ING RE- QUIR- ED	c. BE- LIEVED AB- SENT	b. MAXIMUM DAILY VALUE <input type="checkbox"/> (if available)	b. MAXIMUM 30 DAY VALUE <input type="checkbox"/> (if available)	c. LONG TERM AVRG. VALUE <input type="checkbox"/> (if available)	d. NO. OF ANALYSES	a. LONG TERM AVERAGE VALUE	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	c. LONG TERM AVRG. VALUE <input type="checkbox"/> (if available)	d. NO. OF ANALYSES	a. LONG TERM AVERAGE VALUE
GC/MS FRACTION - VOLATILE COMPOUNDS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS
1V. Acrolein (107-02-8)		X													
2V. Acrylonitrile (107-13-1)		X													
3V. Benzene (71-43-2)		X													
4V. Bis(Chloro- Dimethyl) Ether (542-88-1)		X													
5V. Bromoform (75-25-2)		X													
6V. Carbon Tetrachloride (56-23-5)		X													
7V. Chlorobenzene (106-90-7)		X													
8V. Chlorodibromomethane (124-48-1)		X													
9V. Chloroethane (75-00-3)		X													
10V. 2-Chloro- ethyl(vinyl Ether (110-75-8)		X													
11V. Chloroform (67-66-3)		X													
12V. Dichloro- bromomethane (75-27-4)		X													
13V. Dichloro- difluoromethane (75-77-8)		X													
14V. 1,1-Dichloro- ethane (75-34-3)		X													
15V. 1,2-Dichloro- ethane (107-06-2)		X													
16V. 1,1-Dichloro- ethylene (75-35-4)		X													
17V. 1,2-Dichloro- propane (78-87-5)		X													
18V. 1,3-Dichloro- propylene (542-75-6)		X													
19V. Ethylbenzene (106-41-4)		X													
20V. Methyl Bromide (74-83-9)		X													
21V. Methyl Chloride (74-87-3)		X													

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER	(copy from Item 1 or Form 1)
OH0010910	

ITEM FALL NUMBER

001

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	3. EFFLUENT	4. UNITS		5. INTAKE DILUTIONS					
			a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (1) (if available)	c. LONG TERM AVERAGE VALUE (1) (if available)	d. NO OF ANALYSES	a. CONCEN- TRATION (1) CONCEN- TRATION	b. MASS (2) MASS	c. LONG TERM AVERAGE VALUE (1)	d. NO OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)										
22V. Methylene Chloride (75-09-2)		X								
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)		X								
24V. Tetrachloro-ethylene (127-18-4)		X								
25V. Toluene (108-98-3)		X								
26V. 1,2-Trans-Dichloroethylene (115-60-5)		X								
27V. 1,1,1-Tri-chloroethane (71-56-5)		X								
28V. 1,1,2-Tri-chloroethane (79-00-5)		X								
29V. Trichloro-ethylene (79-01-6)		X								
30V. Trichloro-fluoromethane (75-69-4)		X								
31V. Vinyl Chloride (75-01-4)		X								
GC/MS FRACTION - ACID COMPOUNDS										
1A. 2-Chlorophenol (95-57-8)		X								
2A. 2,4-Dichloro-phenol (120-83-2)		X								
3A. 2,4-Dimethyl-phenol (105-67-9)		X								
4A. 4,6-Dinitro-O-Cresol (634-52-1)		X								
5A. 2,4-Dinitro-phenol (51-28-5)		X								
6A. 2-Nitrophenol (88-75-5)		X								
7A. 4-Nitrophenol (100-02-7)		X								
8A. P-Chloro-M-Cresol (63-50-7)		X								
9A. Pentachloro-phenol (87-66-5)		X								
10A. Phenol (108-95-2)		X								
11A. 2,4,6-Tri-chlorophenol (68-06-2)		X								

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER [if available]	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENCE	3. EFFLUENT		4. UNITS		5. INTAKE [if optional]	
				a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERG. VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION (1)	b. MASS (2) MASS
GOMS FRACTION - BASE IN NEUTRAL COMPOUNDS									
1B. Acenaphthene (63-32-9)		X							
2B. Acenaphthylene (20B-96-5)		X							
3B. Anthracene (120-12-7)		X							
4B. Benzidine (92-87-5)		X							
5B. Benzo [k] (a) Anthracene (56-55-3)		X							
6B. Benzo [k] (a) Pyrene (50-32-8)		X							
7B. 3,4-Benzo-fluoranthene (205-99-2)		X							
8B. Benzo [l] (ghi) Perylene (191-24-2)		X							
9B. Benzo [k] (k) Fluoranthene (207-08-9)		X							
10B. Bis [2-Chloro-] Tetrabromobiphenyl Methylene (111-91-1)		X							
11B. Bis [2-chloro-] Ethyl Ether (111-44-4)		X							
12B. Bis [2-Chloroisopropyl] Ether (102-60-1)		X							
13B. Bis [2-Ethylhexyl] Phthalate (117-81-7)		X							
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)		X							
15B. Butyl Benzyl Phthalate (65-68-7)		X							
16B. 2-Chloronaphthalene (91-58-7)		X							
17B. 4-Chlorophenyl Ether (7005-72-3)		X							
18B. Chrysene (218-01-9)		X							
19B. Dibenzo [a,h] Anthracene (53-70-3)		X							
20B. 1,2-Dichlorobenzene (95-50-1)		X							
21B. 1,3-Dichlorobenzene (54-17-1)		X							

CONTINUED FROM PAGE V-6

EPA ID. NUMBER (copy from item 1 c. Jm 1)
OH0010910WATERFALL NUMBER
001

1. POLLUTANT AND CAS NUMBER [if available)		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE [if optional]□	
a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE [if available)	c. LONG TERM AVRG. VALUE [if available)	d. NO. OF ANALYSES	b. NO. OF ANALYSES		
(1)	(2)	(1)	(1)	(1)	(1)	(1)	(2)		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)									
22B. 1,4-Dichloro-benzene (106-46-7)		X							
23B. 3,3'-Dichloro-benzidine (91-94-1)		X							
24B. Diethyl Phthalate (84-66-2)		X							
25B. Dimethyl Phthalate (131-11-3)		X							
26B. Di-N-Butyl Phthalate (84-74-2)		X							
27B. 2,4-Dinitro-toluene (121-14-2)		X							
28B. 2,6-Dinitro-toluene (606-20-2)		X							
29B. Di-N-Octyl Phthalate (117-84-0)		X							
30B. 1,2-Diphenyl-hydrazine □[es Azo- Dibenzene]□ (122-86-7)		X							
31B. Fluoranthene (206-44-0)		X							
32B. Fluorene (86-73-7)		X							
33B. Hexachlorobenzene (118-74-1)		X							
34B. Hexachlorobutadiene (67-68-3)		X							
35B. Hexachloro-cyclopentadiene (77-47-4)		X							
36B. Hexachloro-ethane (67-72-1)		X							
37B. Indeno □[1,2,3-cd] Pyrene (193-39-5)		X							
38B. Isophorone (78-59-1)		X							
39B. Naphthalene (91-20-3)		X							
40B. Nitrobenzene (98-95-3)		X							
41B. N-Nitro-sodimethylamine (62-75-9)		X							
42B. N-Nitrosodi-N-propylaniline (62-164-7)		X							

CONTINUED FROM ... - FRONT

		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER (if available)	a. TEST- ING RE- QUIR- ED	b. BE- LEVED AB- PRE- SENT	c. BE- LEVED AB- PRE- SENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERAGE VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS		D (continued)		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS
43B. N-Nitroso-diphenylamine (85-30-9)		X							
44B. Phenanthrene (85-01-8)		X							
45B. Pyrene (129-00-1)		X							
46B. 1,2,4-Tri-chlorobenzene (120-82-1)		X							
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)			X						
2P. -BHC			X						
3P. 1-BHC (319-84-6)			X						
3P. 1-BHC (319-85-7)			X						
4P. -BHC (58-39-9)			X						
5P. -BHC (319-86-8)			X						
6P. Chlordane (57-74-9)			X						
7P. 4,4-DDT (50-28-3)			X						
8P. 4,4-DDE (72-55-9)			X						
9P. 4,4-DDD (72-56-8)			X						
10P. Dieldrin (60-51-1)			X						
11P. Endosulfan (115-29-7)			X						
12P. 4-Endosulfan (115-29-7)			X						
13P. Endosulfan Sulfate (1031-07-8)			X						
14P. Endrin (72-20-8)			X						
15P. Endrin Aldehyde (7421-93-4)			X						
16P. Heptachlor (76-44-9)			X						

CONTINUED FROM PAGE V-8

ITEM I.D. NUMBER (copy from Item 1b, Item 1)
OH0010910

FALL NUMBER
001

2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER □(if available)	a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available) (1)	c. LONG TERM AVERAGE VALUE (if available) (1)	d. NO. OF ANALYSES (1)
				(2) MASS CONCENTRATION	(2) MASS CONCENTRATION	(2) MASS CONCENTRATION	(2) MASS CONCENTRATION
GC/MS FRACTION - PESTICIDES (continued)							
17P. Heptachlor Epoxide		X					
(1024-57-3)							
18P. PCB-1242 (634-68-21-9)		X					
19P. PCB-1254 (11097-69-1)		X					
20P. PCB-1221 (11104-28-2)		X					
21P. PCB-1232 (11141-6-5)		X					
32P. PCB-1248 (12872-29-6)		X					
23P. PCB-1260 (11198-32-5)		X					
24P. PCB-1016 (2874-11-2)		X					
25P. Toxaphene (8001-35-2)		X					

CONTINUED FROM THE FRONT
this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT		3. UNITS		4. INTAKE <input type="checkbox"/> (optional)	
	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 2.0	< 0.106			1	MG/L
b. Chemical Oxygen Demand (COD)	44.3	2.35			1	MG/L
c. Total Organic Carbon (TOC)	12.1	0.64			1	MG/L
d. Total Suspended Solids (TSS)	3.0 *	0.16			1	MG/L
e. Ammonia (as N)	< 2.0	< 0.106			1	MG/L
f. Flow		0.289	0.088	0.048	913	MGD
g. Temperature (winter)	VALUE	20.0	VALUE	15.7	26	DEG C
h. Temperature (summer)	VALUE	24.0	VALUE	18.1	32	DEG C
i. pH	MINIMUM 6.8	MAXIMUM 7.9	MINIMUM --	MAXIMUM --	57	STANDARD UNITS
PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.						
2. MARK 'X'	3. EFFLUENT		4. UNITS		5. INTAKE <input type="checkbox"/> (optional)	
1. POLLUTANT AND CAS NO. <input type="checkbox"/> (if available)	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES	a. CONCENTRATION (1) (2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X	0.077 *	0.004		1	MG/L
b. Chlorine, Total Residual	X	0.17	0.009		1	MG/L
c. Color	X	< 25			1	ADMU
d. Fecal Coliform	X				< 25	
e. Fluoride (60984-48-8)	X	1.60	0.140	0.0004	0.828	30
f. Nitrate-Nitrite <input type="checkbox"/>	X	1.12	0.059		1	MG/L
						KG/DAY
						0.87

NOTES: TSS RESULT BELOW REPORTING LIMIT OF 4.0 MG/L; BROMIDE RESULT BELOW REPORTING LIMIT OF 0.20 MG/L; INTAKE COD RESULT BELOW REPORTING LIMIT OF 20 MG/L

ITEM V-8 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO.	2. MARK X	3. EFFLUENT		4. UNITS		5. INTAKE L (optional)	
		a. BE-LIEVED PRESENT	b. BE-LIEVED ABSENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE	c. LONG TERM AVERAGE VALUE	d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS
g. Nitrogen, L/(as N), Total	X	< 1.9	< 0.101				
h. Oil and Grease	X	35.0	0.132	22.0	0.066	< 2.0	< 0.003
i. Phosphorus, L/(as P), Total (7723-14-0)	X	2.7	0.143				
j. Radioactivity (1) Alpha, Total	X						
(2) Beta, Total	X						
(3) Radium, Total	X						
(4) Radium, 226, Total	X						
k. Sulfate L/(as SO ₄), Total (1460-73-6)	X	139	7.37				
l. Sulfide L/(as S), Total	X	0.60 *	0.032				
m. Sulite L/(as SO ₃), Total (14285-45-3)	X	< 2.0	< 0.106				
n. Surfactants	X	< 0.20	< 0.011				
o. Aluminum, Total (7429-90-5)	X	352	0.019				
p. Barium, Total (7440-36-3)	X	57.4	0.003				
q. Boron, Total (7440-46-4)	X	96.2	0.005				
s. Iron, Total (7439-90-9)	X	17.9 *	< 0.009				
t. Magnesium, Total (7439-95-4)	X	13.1	0.694	< 0.000001			
u. Molybdenum, Total (7440-31-5)	X	5.1	0.0003				
v. Manganese, Total (7439-90-5)	X	154	0.036	60.20	0.011	30	UGL KG/DAY 481
w. Tin, Total (7440-32-6)	X	< 1.5	< 0.00008				
x. Titanium, Total (7440-31-5)	X	4.2 *	0.00022				
						1	UGL KG/DAY < 1.5
						1	UGL KG/DAY 7.4

NOTES: SULFIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 1.0 MG/L; IRON RESULT BELOW REPORTING LIMIT OF 50 UG/L; TITANIUM RESULT BELOW REPORTING LIMIT OF 50 UG/L; IRON RESULT BELOW REPORTING LIMIT OF 1.0 MG/L; IRON RESULT BELOW REPORTING LIMIT OF 50 UG/L; TITANIUM RESULT BELOW REPORTING LIMIT OF 50 UG/L; INTAKE COBALT RESULT BELOW REPORTING LIMIT OF 0.50 UG/L

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C -

If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a, [] for secondary industries, nonprocesses]

[] for wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-c for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table [tail 7 pages] for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. MARK X	3. EFFLUENT	4. TEST-ING NUMBER OR CAS NUMBER [if available]		5. INTAKE [optional]			
			a. TEST-ING LIEVED RE-QUIR-ED	b. BE-AB-SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRA-TION	d. NO. OF ANALYSES ANALYSES MASS (2) MASS
METALS, CYANIDE, AND TOTAL PHENOLS								
1M. Antimony, Total (7440-36-0)	X		0.15 *	0.000008			1	UG/L KG/DAY <2.0
2M. Arsenic, Total (7440-36-2)	X		0.81 *	0.000043			1	UG/L KG/DAY 0.43 *
3M. Benzillium, Total (7440-41-7)	X		<0.045	<0.000002			1	UG/L KG/DAY <1.0
4M. Cadmium Total (7440-43-9)	X		0.14 *	0.000007			1	UG/L KG/DAY <1.0
5M. Chromium, Total (7440-77-3)	X		0.51 *	0.000027			1	UG/L KG/DAY 4.2
6M. Copper, Total (7440-50-8)	X		79	0.003	79	0.003	30	UG/L KG/DAY 19.6
7M. Lead, Total (7439-92-1)	X		0.27 *	0.000014			1	UG/L KG/DAY 1.2
8M. Mercury, Total (7439-97-6)	X		<0.047	<0.000002			1	UG/L KG/DAY <0.20
9M. Nickel, Total (7440-02-0)	X		0.81 *	0.000043			1	UG/L KG/DAY 5.0
10M. Selenium, Total (74782-49-2)	X		0.29 *	0.000015			1	UG/L KG/DAY <5.0
11M. Silver, Total (7440-22-4)	X		<0.28	<0.000015			1	UG/L KG/DAY <1.0
12M. Thallium, Total (7440-28-0)	X		<0.057	<0.000003			1	UG/L KG/DAY <1.0
13M. Zinc, Total (7440-66-5)	X		1650	0.058	1650	0.058	30	UG/L KG/DAY 34.8
14M. Cyanide, Total, (57-12-5)	X						MG/L	- <0.010
15M. Phenols, Total DIOXIN	X						MG/L	- 0.009 *
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (11764-01-6)		X						
DESCRIBE RESULTS								

NOTES: ANTIMONY RESULT IS BELOW REPORTING LIMIT OF 2.0 UG/L ARSENIC RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 1.0 UG/L CADMIUM RESULT IS BELOW REPORTING LIMIT OF 1.0 UG/L CHROMIUM RESULT IS BELOW REPORTING LIMIT OF 1.0 UG/L NICKEL RESULT IS BELOW REPORTING LIMIT OF 1.0 UG/L SELENIUM RESULT IS BELOW REPORTING LIMIT OF 5.0 UG/L LEAD RESULT IS BELOW REPORTING LIMIT OF 1.0 UG/L PHENOLS BELOW REPORTING LIMIT OF 0.010 MG/L AND DIOXIN

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE □(optional) □		d. NO. OF ANALYSES	e. LONG TERM AVERAGE VALUE	f. NO. OF ANALYSES
				a. MAXIMUM DAILY VALUE (if available)	b. MAXIMUM 30 DAY VALUE (if available)	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			
GCRS FRACTION - VOLATILE COMPOUNDS												
IV. Acrolein (107-02-8)		X										
2V. Acrylonitrile (107-13-1)		X										
3V. Benzene (71-43-2)		X										
4V. Bis (Chloro-□ Dimethyl) Ether (542-88-1)		X										
5V. Bromoform (75-25-2)		X										
6V. Carbon Tetrachloride (56-23-5)		X										
7V. Chlorobenzene (108-80-7)		X										
8V. Chlorodi- bromomethane (124-48-1)		X										
9V. Chloroethane (75-30-3)		X										
10V. 2-Chloro- ethylvinyl Ether (110-75-8)		X										
11V. Chloroform (67-66-3)		X										
12V. Dichloro- bromomethane (75-27-4)		X										
13V. Dichloro- difluoromethane (75-71-8)		X										
14V. 1,1-Dichloro- ethane (75-34-3)		- X										
15V. 1,2-Dichloro- ethane (107-06-2)		X										
16V. 1,1-Dichloro- ethylene (75-35-4)		X										
17V. 1,2-Dichloro- propane (78-87-5)		X										
18V. 1,3-Dichloro- propylene (542-75-6)		X										
19V. Ethylbenzene (106-41-4)		X										
20V. Methyl Bromide (74-83-9)		X										
21V. Methyl Chloride (74-87-3)		X										

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (if optional) X	
				a. MAXIMUM DAILY VALUE (if available)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVG. VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)				(1)	(2)	(1)	(2)	(1)	(2)
22V. Methylene Chloride (75-05-2)	X								
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	X								
24V. Tetrachloro-ethylene (122-18-4)	X								
25V. Toluene (108-88-3)	X								
26V. 1,2-Trans-Dichloroethylene (166-60-5)	X								
27V. 1,1,1-Tri-chloroethane (71-55-6)	X								
28V. 1,1,2-Tri-chloroethane (75-00-5)	X								
29V. Trichloro-ethylene (79-01-6)	X								
30V. Trichloro-fluoromethane (75-39-4)	X								
31V. Vinyl Chloride (75-01-4)	X								
GC/MS FRACTION ACID COMPOUNDS									
1A. 2-Chlorophenol (95-57-8)		X							
2A. 2,4-Dichloro-phenol (120-83-2)		X							
3A. 2,4-Dimethyl-phenol (105-67-9)		X							
4A. 4,6-Dinitro-O-Cresol (534-52-1)		X							
5A. 2,4-Dinitro-phenol (51-28-5)		X							
6A. 2-Nitrophenol (89-75-5)		X							
7A. 4-Nitrophenol (100-02-7)		X							
8A. P-Chloro-M-Cresol (59-50-7)		X							
9A. Pentachloro-phenol (67-86-5)		X							
10A. Phenol (108-95-2)		X							
11A. 2,4,6-Tri-chlorophenol (88-06-2)		X							

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER [if available]		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE [if optional]	
a. TEST- ING RE- QUI- RED	b. BE- LEVED PRE- SENT	c. BE- LEVED AB- SENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERAGE VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. NO. OF ANALYSES	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS				(1)	(1)	(1)	(1)	(1)	
			(2) MASS	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	(2) MASS	
1B. Acenaphthene (83-32-9)	X								
2B. Acenaphthylene (208-96-8)	X								
3B. Anthracene (120-12-7)	X								
4B. Benzidine (92-37-5)	X								
5B. Benzo [k] (a) Anthracene (66-55-3)	X								
6B. Benzo [k] (a) Pyrene (69-32-8)	X								
7B. 3,4-Benzo-fluoranthene (205-99-2)	X								
8B. Benzo [k] (g,h) Perylene (19-24-2)	X								
9B. Benzo [k] Fluoranthene (20-08-9)	X								
10B. Bis [2-Chloro-] [keto] Methane (111-91-1)	X								
11B. Bis [2-chloro-] [ethyl] Ether (111-44-4)	X								
12B. Bis [2-Chloro-] propyl) ether (102-60-1)	X								
13B. Bis [2-Ethyl-] [ethoxy] Phthalate (111-81-7)	X								
14B. 4-Bromo-phenyl Phenyl Ether (91-58-7)	X								
15B. Butyl Benzyl Phthalate (85-88-7)	X								
16B. 2-Chloro-naphthalene (91-58-7)	X								
17B. 4-Chlorophenyl Ether (7005-72-3)	X								
18B. Chrysene (2113-01-9)	X								
19B. Dibenzo [a,h] Anilacne (53-70-3)	X								
20B. 1,2-Dichlorobenzene (95-50-1)	X								
21B. 1,3-Dichlorobenzene (54-17-3)	X								

1. POLLUTANT AND CAS NUMBER [if available]		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE [if optional] X	
a. TEST- ING RE- QUI- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (1)	c. LONG TERM AVERAGE VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION (1)	b. MASS (1)	a. LONG TERM AVERAGE VALUE (1)
GC/MS FRACTION		BASE/NEUTRAL COMPOUNDS (continued)							
22B. 1,4-Dichloro-benzene (106-46-7)	X								
23B. 3,3'-Dichloro-benzoquinone (81-94-1)	X								
24B. Diethyl Phthalate (84-66-2)	X								
25B. Di-N-Butyl Phthalate (84-74-2)	X								
27B. 2,4-Dinitrotoluene (121-14-2)	X								
29B. 2,6-Dinitrotoluene (606-20-2)	X								
29B. Di-N-Octyl Phthalate (117-94-0)	X								
30B. 1,2-Diphenyl-hydrazine [IUPAC Azo-Dibenzene] (122-66-7)	X								
31B. Fluoranthene (206-44-0)	X								
32B. Fluorene (86-73-7)	X								
33B. Hexachlorobenzene (118-74-1)	X								
34B. Hexa-chlorobutadiene (87-68-3)	X								
35B. Hexachloro-Cyclopentadiene (77-47-4)	X								
36B. Hexachloro-ethane (67-72-1)	X								
37B. Indeno [1,2,3-cd] Pyrene (193-39-5)	X								
38B. Isophorone (78-59-1)	X								
39B. Naphthalene (91-20-3)	X								
40B. Nitrobenzene (98-95-3)	X								
41B. N,Nitro-sodimethylamine (62-75-9)	X								
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X								

CONTINUED FROM

FRONT

2. MARK X			3. EFFLUENT			4. UNITS			5. INTAKE (optional)		
1. POLLUTANT AND CAS NUMBER (if available)	a. TESTING RE-QUIRED ED	b. BE- LIEVED PRE- SENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERAGE VALUE (if available)	(1) CONCENTRATION	(2) MASS	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCEN- TRATION	b. NO. OF ANALYSES (2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS □(continued)											
43B. N-Nitro-sodiphenylamine (86-30-9)											
44B. Phenanthrene (95-01-8)		X									
45B. Pyrene (129-90-0)		X									
46B. 1,2,4-Tri-chlorobenzene (120-82-1)		X									
GC/MS FRACTION - PESTICIDES											
1P. Aldrin (309-00-2)			X								
2P. -BHC (319-84-6)			X								
3P. 1-BHC (319-85-7)			X								
4P. -BHC (58-89-9)			X								
5P. -BHC (319-86-8)			X								
6P. Chlordane (57-74-9)			X								
7P. 4,4'-DDT (60-29-3)			X								
8P. 4,4'-DDE (72-55-9)			X								
9P. 4,4'-DDD (72-54-8)			X								
10P. Dieldrin (60-57-1)			X								
11P. -Endosulfan (115-29-7)			X								
12P. β -Endosulfan (115-29-7)			X								
13P. Endosulfan Sulfate			X								
103P. Endrin (103-107-8)			X								
14P. Endrin (72-20-8)			X								
15P. Endrin Aldehyde (7421-93-4)			X								
16P. Heptachlor (76-44-8)			X								

CONTINUED FROM PAGE V-8

EP A I.D. NUMBER (copy from Item 1, Item 1)	EF A I.D. NUMBER
OH0010910	002

1. POLLUTANT AND CAS NUMBER □(if available)	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
				a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available) (1)	c. LONG TERM AVG. VALUE (if available) (1)	d. NO. OF ANALYSES (1)	a. CONCEN- TRATION	b. MASS
GC/MS FRACTION - PESTICIDES (continued)									
17P. Hepachlor Epoxide (1024-57-3)	X								
18P. PCB-1242 (55466-21-9)	X								
19P. PCB-1254 (11097-99-1)	X								
20P. PCB-1221 (11104-28-2)	X								
21P. PCB-1232 (11141-16-5)	X								
22P. PCB-1248 (12672-29-6)	X								
23P. PCB-1260 (11086-82-5)	X								
24P. PCB-1016 (12674-11-2)	X								
25P. Texaphene (6001-35-2)	X								

CONTINUED FROM THE FRONT
this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT		c. LONG TERM AVRG. VALUE (if available)	d. NO. OF ANALYSES	3. UNITS <input type="checkbox"/> (Specify if blank)	4. INTAKE <input type="checkbox"/> (optional)	
	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS CONCENTRATION				a. NO. OF ANALYSES	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 2.0	< 10.2				1	1
b. Chemical Oxygen Demand (COD)	10.4 *	53.1				1	1
c. Total Organic Carbon (TOC)	1.8	9.20				1	1
d. Total Suspended Solids (TSS)	10.0	7.68	10.0	< 4.0	29	29	1
e. Ammonia (as N)	6.20	31.7				1	1
f. Flow		2.45	1.33	0.297	912	MGD	
g. Temperature (winter)	VALUE	20.0	VALUE	13.4	42	DEG C	20
h. Temperature (summer)	VALUE	22.0	MINIMUM	16.9	56	DEG C	1
i. pH	6.8	8.1	MAXIMUM		94	STANDARD UNITS	
PART B - [Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.							
2. MARK 'X'		3. EFFLUENT		4. UNITS <input type="checkbox"/> (optional)		5. INTAKE <input type="checkbox"/> (optional)	
1. POLLUTANT AND CAS NO.	<input type="checkbox"/> BE-LEVED PRESENT (if available)	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS CONCENTRATION	c. LONG TERM AVRG. VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION (1) (2) MASS	b. NO. OF ANALYSES
a. Bromide (24559-67-9)	X	0.11 *	0.562			1	1
b. Chlorine, Total Residual	X	< 0.030	< 0.153			1	0.04
c. Color	X	< 25				1	< 25
d. Fecal Coliform	X						
e. Fluoride (16864-48-8)	X	3.1	1.12	0.582	29	MG/L	1.4
f. Nitrate-Nitrite <input type="checkbox"/> (as N)	X	0.40	2.04		1	MG/L	0.87

NOTES: BROMIDE RESULT BELOW REPORTING LIMIT OF 0.20 MG/L; COD RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 20 MG/L

ITEM A & B CONTINUED FROM FRONT

2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE L (optional)	
1. POLLUTANT AND CAS NO.	b. BE- LIEVED PRESENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVG. VALUE	c. LONG TERM AVG. VALUE (if available)	d. NO. OF ANALYSES	b. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS
g. Nitrogen, L (as NH ₃)	X	< 1.9	< 9.71				
Total Organic							
h. Oil and Grease	X	6.8	1.08	6.8	1.01	< 5.0	< 25.5
i. Phosphorous L (as P), Total (7723-14-0)	X	0.055 *	< 0.281				
j. Radioactivity (1) Alpha, Total							
(2) Beta, Total	X						
(3) Radium, Total	X						
(4) Radium, 226, Total	X						
k. Sulfate L (as SO ₄ -2L), L (14058-79-8)	X	98.9	505				
l. Sulfite L (es Sy- m. Sulfite L (as SO ₃ -2L), L (14265-45-3))	X	< 0.50	< 2.56				
n. Surfactants o. Aluminum, Total (7440-90-5)	X	< 2.0	< 10.2				
o. Aluminum, Total	X	< 0.20	< 1.02				
p. Barium, Total (7440-36-3)	X	< 5.1	< 0.026				
q. Boron, Total (7440-44-9)	X	72.7	0.37				
r. Cobalt, Total (7440-46-4)	X	0.030 *	0.0002				
s. Iron, 1, Total (7439-81-9)	X	< 3.3	0.017				
t. Magnesium, Total (7439-95-4)	X	11.5	58.8				
u. Molybdenum, Total (7439-99-7)	X	3.9 *	19.9				
v. Manganese, Total (7439-95-5)	X	393	1.08	393	1.01	160	0.27
w. Tin, 1, Total (7440-31-5)	X	2.1 *	0.011				
x. Titanium, Total (7440-32-6)	X	< 0.39	< 0.002				

NOTES: PHOSPHORUS RESULT BELOW REPORTING LIMIT OF 30 UG/L; COBALT RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 1.0 MGIL
REPORTING LIMIT OF 30 UG/L; MOLYBDENUM RESULT BELOW REPORTING LIMIT OF 0.10 MGIL; TIN RESULT BELOW REPORTING LIMIT OF 0.50 UGIL
INTAKE SULFIDE RESULT BELOW REPORTING LIMIT OF 1.0 MGIL

CONTINUED FROM PAGE 3 OF FCFM 2-C

PART C -

If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for: MARK "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (a secondary industry, nonprocess wastewater outfalls, and non required GC/MS each pollutant you believe is absent, if you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (fill 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER <small>(if available)</small>	2. MARK X TEST- ING PRE- RE- QUIR- ED	3. EFFLUENT	4. UNITS	5. INTAKE <input type="checkbox"/> (optional)			
				a. MAXIMUM DAILY VALUE <small>(1) CONCENTRATION</small>	b. MAXIMUM 30 DAY VALUE <small>(if available) (2) MASS</small>	c. LONG TERM AVERG. VALUE <small>(if available) (1) CONCENTRATION</small>	d. NO. OF ANALYSES <small>(1) (2) MASS</small>
METALS, CYANIDE, AND TOTAL PHENOLS							
1M. Antimony, Total (7440-36-0)	X	<0.036	<0.00018				1
2M. Arsenic, Total (7440-38-2)	X	<0.18	<0.00092				1
3M. Beryllium, Total (7440-41-7)	X	<0.045	<0.00023				1
4M. Cadmium, Total (7440-43-9)	X	<0.092	<0.00047				1
5M. Chromium, Total (7440-74-3)	X	0.40 *	0.00264				1
6M. Copper, Total (7440-50-8)	X	0.98 *	0.00501	<2.0	<0.00022	30	UGL KG/DAY 4.2
7M. Lead, Total (7439-92-1)	X	0.070 *	0.00026	<2.0	<0.00022	1	UGL KG/DAY 19.6
8M. Mercury, Total (7439-97-6)	X	<0.047	<0.00024				1
9M. Nickel, Total (7440-02-0)	X	0.12 *	0.00061				1
10M. Selenium, Total (7782-49-2)	X	<0.24	0.00123				1
11M. Silver, Total (7440-22-4)	X	<0.28	<0.00143				1
12M. Thallium, Total (7440-28-0)	X	<0.057	<0.00029				1
13M. Zinc, Total (7440-66-6)	X	2130	0.639	2130	0.639	619	UGL KG/DAY 34.8
14M. Cyanide, Total (67-12-5)	X						MGL - <0.010
15M. Phenols, Total DIOXIN	X						MCL - 0.009 *
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1784-01-6)							

DESCRIBE RESULTS

NOTE: CADMIUM RESULT IS BELOW REPORTING LIMIT OF 1.0 UG/L; COPPER MAX RESULT IS BELOW REPORTING LIMIT OF 2.0 UG/L; NICKEL RESULT BELOW REPORTING LIMIT OF 1.0 UG/L; INTAKE PHENOLS BELOW REPORTING LIMIT OF 0.010 MG/L AND PHENOLS DETECTED IN METHOD BLANK; INTAKE ARSENIC BELOW REPORTING LIMIT OF 1.0 UG/L.

CONTINUED FROM THE FRONT

GC/MS FRACTION - VOLATILE COMPOUNDS	2. MARK X			3. EFFLUENT			4. UNITS			5. INTAKE (Optional)		
	1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> (if available)	a. TEST-ING REQUIRED	b. BE-LEVED PRESENT	c. BE-LEVED ABSENT	a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVRG. VALUE (if available)	d. NO. OF ANALYSES (1)	a. CONCEN-TRATION (1) MASS	b. MASS	a. LONG TERM AVERAGE VALUE (1)	b. NO. OF ANALYSES (2) MASS
1V. Acrolein (107-122-8)		X										
2V. Acrylonitrile (107-13-1)		X										
3V. Benzene (71-43-2)		X										
4V. Bis <input type="checkbox"/> (Chloro- dimethyl) Ether (542-28-1)		X										
5V. Bromoform (75-25-2)		X										
6V. Carbon Tetrachloride (56-23-5)		X										
7V. Chlorobenzene (108-90-7)		X										
8V. Chlorodi-bromomethane (124-48-1)		X										
9V. Chloroethane (75-00-3)		X										
10V. 2-Chloro-ethyl vinyl Ether (110-75-8)		X										
11V. Chloroform (67-66-3)		X										
12V. Dichloro-bromomethane (75-27-4)		X										
13V. Dichloro-difluoromethane (75-71-9)		X										
14V. 1,1-Dichloro-ethane (75-34-3)		X										
15V. 1,2-Dichloro-ethane (107-06-2)		X										
16V. 1,1-Dichloro-ethylene (75-35-4)		X										
17V. 1,2-Dichloro-propane (78-87-5)		X										
18V. 1,3-Dichloro-propylene (542-75-6)		X										
19V. Ethylbenzene (100-41-4)		X										
20V. Methyl Bromide (74-83-9)		X										
21V. Methyl Chloride (74-87-3)		X										

EPAT ID. NUMBER (Copy from item 1, Form 1) **OH0010910**

(*~*) FALL NUMBER
003

CONTINUED FROM PAGE V4

OH0010910

CONTINUATION OF	TEST NUMBER OR CAS NUMBER <input type="checkbox"/> available)	MARK X	2. MARK X	3. EFFLUENT		4. UNITS		5. IN ARE UNITS(continued)	
				a. TEST- ING REF. QUIR- ED	b. BE- LIEVED PRE- SENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE	c. LONG TERM AVERG. VALUE (if available)	d. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> available)				(1)	(2)	CONCENTRATION	(1) MASS	CONCENTRATION	(1) MASS
2. GC/MS FRACTION - VOLATILE COMPOUNDS (continued)				(1)	(2)	CONCENTRATION	(2) MASS	(1) MASS	(2) MASS
Methylene Chloride (75-09-2)		X							
1,1,2-Tetra-chloroethane (79-34-5)		X							
Tetrachloro-ethylene (127-18-4)		X							
Toluene (108-88-3)		X							
Trans-Dichloroethylene (1156-60-5)		X							
1,1,1-Trichloroethane (71-55-6)		X							
1,1,2-Trichloroethane (79-00-5)		X							
Trichloro-ethylene (76-01-6)		X							
Trichloro-fluoromethane (75-69-4)		X							
Vinyl Chloride (75-01-4)		X							
GC/MS FRACTION - ACID COMPOUNDS									
2-Chlorophenol (95-57-5)		X							
2,4-Dichloro-phenol (120-83-2)		X							
2,4-Dimethyl-phenol (105-67-9)		X							
4,4,6-Dinitro-O-Cresol (654-52-1)		X							
2,4-Dinitro-phenol (51-28-5)		X							
2-Nitrophenol (98-75-5)		X							
4-Nitrophenol (100-92-7)		X							
P-Chloro-M-Cresol (59-50-7)		X							
Pentachloro-phenol (87-86-5)		X							
Phenol (108-95-2)		X							
2,4,6-Tri-chlorophenol (85-06-2)		X							

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1. POLLUTANT AND CAS NUMBER [if available]		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE [optional]	
a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- AB- SENCE	d. MAXIMUM DAILY VALUE SENT	e. MAXIMUM 30 DAY VALUE (if available)	f. LONG TERM AVRS. VALUE (if available)	g. CONCEN- TRATION	a. CONCEN- TRATION	b. MASS	b. NO. OF ANALYSES
			(1)	(1)	(1)	(1)	(1)	(2) MASS	(2) MASS
GEMS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-9)	X								
2B. Acenaphthylene (208-98-8)	X								
3B. Anthracene (120-12-7)	X								
4B. Benzidine (92-67-5)	X								
5B. Benzo [k]Anthracene (56-55-3)	X								
6B. Benzo [a]J Pyrene (50-32-8) 7B. 3,4-Benzo- fluoranthene (205-99-2)	X								
8B. Benzo [k]ghi] Perylene (191-24-2)	X								
9B. Benzo [k]k]) Fluoranthene (207-08-9)	X								
10B. Bis [2-Chloro-]Jethoxy] Methane (111-91-1)	X								
11B. Bis [2-Chloro-]Jethyl) J Ether (111-44-4)	X								
12B. Bis [2-Chloro- propyl) ether (102-60-1)	X								
13B. Bis [2-Ethyl- Jhexoxy] J Phthalate (117-81-7)	X								
14B. 4-Bromo- phenyl Phenyl Ether (101-56-3)	X								
16B. Butyl Benzyl Phthalate (85-68-7)	X								
16B. 2-Chloro- naphthalene (91-56-7)	X								
17B. 4-Chloro- phenyl Ether (7005-72-3)	X								
18B. Chrysene (218-01-9)	X								
19B. Dibenzo [a,h]J Antracene (53-70-3)	X								
20B. 1,2-Dichloro- benzene (95-50-1)	X								
21B. 1,3-Dichloro- benzene (54-17-1)	X								

3. EFFLUENT

1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> (if available)	2. MARK X' a. TEST- ING RE- QUIRED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS	5. INTAKE (Optional) <input type="checkbox"/>		
				a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (If available) (1)				
GC/MS FRACTION - BASEINEUTRAL COMPOUNDS (continued)									
22B. 1,4-Dichloro-benzene (106-46-7)	X								
23B. 3,3'-Dichloro-benzidine (91-94-1)	X								
24B. Diethyl Phthalate (94-66-2)	X								
25B. Dimethyl Phthalate (131-11-3)	X								
26B. Di-N-Butyl Phthalate (84-74-2)	X								
27B. 2,4-Dinitro-toluene (121-14-2)	X								
28B. 2,6-Dinitro-toluene (606-20-2)	X								
29B. DI-4-Octyl Phthalate (117-84-9)	X								
30B. 1,2-Diphenyl-hydrazine <input type="checkbox"/> (Azodibenzene) (122-86-7)	X								
31B. Fluoranthene (206-44-0)	X								
32B. Fluorene (86-73-7)	X								
33B. Hexachlorobenzene (118-74-1)	X								
34B. Hexachlorobutadiene (87-68-3)	X								
35B. Hexachloro-cyclopentadiene (77-47-4)	X								
36B. Hexachloro-ethane (67-72-1)	X								
37B. Indeno <input type="checkbox"/> (1,2,3-cd) Pyrene (193-39-5)	X								
38B. Isophorone (78-59-1)	X								
39B. Naphthalene (91-50-3)	X								
40B. Nitrobenzene (98-96-3)	X								
41B. N-Nitro-sodiumethyamine (62-75-9)	X								
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X								

CONTINUED FROM... FRONT

		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER (if available)	a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERAGE VALUE (1)	d. NO. OF ANALYSES	a. CONCEN- TRATION (1)	b. MASS (1) CONCEN- TRATION (2)	b. NO. OF ANALYSES (2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (J) (continued)									
43B. N-Nitro- sodiphenylamine (86-30-9)		X							
44B. Phenanthrene (65-01-8)		X							
45B. Pyrene (126-00-0)		X							
46B. 1,2,4-Tri- chlorobenzene (120-82-1)		X							
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)		X							
2P. -BHC (319-84-6)		X							
3P. Is-BHC (319-85-7)		X							
4P. -BHC (58-89-9)		X							
5P. -BHC (319-86-8)		X							
6P. Chlordane (57-74-9)		X							
7P. 4,4'-DDT (50-29-3)		X							
8P. 4,4'-DDE (72-55-9)		X							
9P. 4,4'-DDD (72-54-8)		X							
10P. Dieldrin (69-57-1)		X							
11P. Endosulfan (115-29-7)		X							
12P. 6-Endosulfan (103-07-8)		X							
13P. Endosulfan Sulfate (115-28-7)		X							
14P. Endrin (72-20-8)		X							
15P. Endrin Aldehyde (74-21-3)		X							
16P. Heptachlor (76-44-8)		X							

EPA I.D. NUMBER (copy from Item 1c, Item 1)
OH0010910

FAIL NUMBER
003

1. POLLUTANT AND CAS NUMBER □ (if available)	2. MARK X a. TEST- ING b. BE- LIEVED RE- QUIR- ED	c. BE- LEIVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
			a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES (1) MASS	a. CONCEN- TRATION	b. MASS
GOMS FRACTION - PESTICIDES (continued)								
17P. Heptachlor Epoxide (102-57-3)		X						
18P. PCB-1242 (63498-21-9)		X						
19P. PCB-1254 (11097-69-1)		X						
20P. PCB-1221 (11104-28-2)		X						
21P. PCB-1232 (11141-16-5)		X						
22P. PCB-1248 (12672-29-6)		X						
23P. PCB-1260 (111098-82-5)		X						
24P. PCB-1016 (12674-11-2)		X						
25P. Toxaphene (8001-35-2)		X						

CONTINUED FROM THE FRONT
this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT				3. UNITS				4. INTAKE □(optional)				
	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES	a. CONCEN-TRATION	b. NO. OF ANALYSES	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES	a. CONCEN-TRATION	b. NO. OF ANALYSES	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES	
a. Biochemical Oxygen Demand (BOD)	< 2.0	< 4.92						1	MGL	KG/DAY	< 2.0	1	
b. Chemical Oxygen Demand (COD)	15.6*	38.38						1	MGL	KG/DAY	15.6 *	1	
c. Total Organic Carbon (TOC)	1.9	4.67						1	MGL	KG/DAY	1.7	1	
d. Total Suspended Solids (TSS)	< 4.0	< 9.84						1	MGL	KG/DAY	< 4.0	1	
e. Ammonia (as N)	< 2.0	< 4.92						1	MGL	KG/DAY	< 2.0	1	
f. Flow		1.228	0.635					913	MGD				
g. Temperature (winter)	VALUE 25.0	VALUE --	VALUE --	VALUE 17.6	VALUE 20.0	VALUE 20.0	VALUE 61	DEG C	DEG C	DEG C	20	1	
h. Temperature (summer)	MINIMUM 26.0	MAXIMUM 8.2	MINIMUM --	MAXIMUM --			113	STANDARD UNITS					
i. pH	6.8												
PART B -	Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2-a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.												
2. MARK X'	3. EFFLUENT				4. UNITS				5. INTAKE □(optional)				
1. POLLUTANT AND CAS NO. □(if available)	a. BE-LIEVED PRESENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES	a. CONCEN-TRATION	b. NO. OF ANALYSES	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES	a. CONCEN-TRATION	b. NO. OF ANALYSES	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES
a. Bromide (24959-67-9)	X	0.18 *	0.0004					1	MGL	KG/DAY	0.13 *	1	
b. Chlorine, Total Residual	X	< 0.030	< 0.074					1	MGL	KG/DAY	0.04	1	
c. Color	X	< 25						1	ADMI		< 25	1	
d. Fecal Coliform	X												
e. Fluoride (16944-48-8)	X	0.41	0.96	0.41	0.96	0.25	0.51	31	MGL	KG/DAY	1.4	1	
f. Nitrate-Nitrite □(as N)	X	0.43	1.06					1	MGL	KG/DAY	0.87	1	

NOTES: BROMIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 0.20 MGL; COD RESULT AND INTAKE COD RESULT BELOW REPORTING LIMIT OF 20 MG/L

ITEM V-B CONTINUED FROM FRONT

2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE L (optional)	
1. POLLUTANT AND CAS NO. L (if available)	a. BRE- LIEVED PRE- SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION (2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES (1)	e. CONCEN- TRATION (1) MASS	f. NO. OF ANALYSES (2) MASS
g. Nitrogen, L (as N), h. Oil and Grease	X	2.7 *	6.64			1	MG/L KG/DAY < 3.0
i. Phosphorus, L (as P), (7723-14-0)	X	< 5.0	< 10.8	< 5.0	60	MG/L KG/DAY < 5.0	
j. Radioactivity (1) Alpha, Total	X						
k. Beta,	X						
Total							
(3) Radium, Total	X						
(4) Radium, Total	X						
k. Sulfate L (as SO ₄ -241, L) (14808-73-9)	X	99.3	244		1	MG/L KG/DAY 104	
l. Sulfide L (as S), m. Sulfite L (as SO ₃ -241, L) (14255-45-3)	X	0.60 *	1.48		1	MG/L KG/DAY 0.60 *	
n. Surfactants o. Aluminum, Total (7329-90-5)	X	< 2.0	< 4.92		1	MG/L KG/DAY < 2.0	
p. Barium, (7440-93-3)	X	< 0.20	< 0.49		1	MG/L KG/DAY < 0.20	
q. Boron, Total (7440-90-5)	X	< 30	< 0.74		1	UG/L KG/DAY 19.7 *	
r. Cobalt, Total (7440-48-4)	X	71	0.175		1	UG/L KG/DAY 62.2	
s. iron, Total (7439-98-6)	X	90.2	0.222		1	UG/L KG/DAY 81.2	
t. Magnesium, Total (7439-95-4)	X	0.035 *	0.000019		1	UG/L KG/DAY 0.112 *	
u. Molybdenum, Total (7439-98-7)	X	< 3.3	< 0.0081		1	UG/L KG/DAY 508	
v. Manganese, Total (7439-96-5)	X	11.3	27.8		1	MG/L KG/DAY 13.30	
w. Tin, Total (7440-31-5)	X	2.0 *	0.005		1	UG/L KG/DAY 15.2	
x. Titanium, Total (7440-32-6)	X	< 0.39	< 0.010		1	UG/L KG/DAY 7.4	

NOTES: TOTAL ORGANIC NITROGEN BELOW REPORTING LIMIT OF 3.0 MG/L; PHOSPHOROUS BELOW REPORTING LIMIT OF 0.10 MG/L; SULFIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 1.0 MG/L; INTAKE ALUMINUM RESULT BELOW REPORTING LIMIT OF 30 UG/L; COBALT RESULT AND INTAKE COBALT RESULT BELOW REPORTING LIMIT OF 0.50 UG/L

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If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 12-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 12-a (secondary industries, nonprocess wastewater outfalls, and nonregulated GC/MS fractions), mark "X" in column 2-c for each pollutant you believe is present. Mark "X" in column 2-c for each pollutant you know or have reason to believe is present. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe are present. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you know or have reason to believe that you discharge in concentrations of 10 ppb or greater, if you mark column 2b for any pollutant, you must either submit at least one analysis for each of these pollutants which you know or have reason to believe are present or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table [if all 7 pages] for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER □(if available)	TEST- ING RE- QUI- RED	2. MARK X b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		c. LONG TERM AVERG. VALUE (if available)	d. NO. OF ANALYSES	e. LONG TERM AVERG. VALUE (if available)	a. LONG TERM AVERAGE VALUE		b. MASS CONCEN- TRATION	b. MASS (2) MASS					
				a. MAXIMUM DAILY VALUE					b. MAXIMUM 30 DAY VALUE (if available)								
				(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS							
METALS, CYANIDE, AND TOTAL PHENOLS																	
1M. Antimony, Total (7440-36-0)	X	X	< 0.036	< 0.00039						1	UGL	KG/DAY	< 2.0				
2M. Arsenic, Total (7440-38-2)	X	0.26 *	0.00064							1	UGL	KG/DAY	0.43 *				
3M. Beryllium, Total, (7440-41-7)	X	< 0.045	< 0.00011							1	UGL	KG/DAY	< 1.0				
4M. Cadmium, Total (7440-42-9)	X	< 0.092	< 0.00023							1	UGL	KG/DAY	< 1.0				
5M. Chromium, Total, (7440-74-3)	X	0.40 *	0.00098							1	UGL	KG/DAY	4.2				
6M. Copper, Total (7440-50-B)	X	1.5 *	0.00369	< 1.0	< 0.005	< 2.0	< 0.005	17	UGL	KG/DAY	19.6						
7M. Lead, Total (7439-92-1)	X	< 0.073	< 0.00006							1	UGL	KG/DAY	1.2				
8M. Mercury, Total (7439-97-6)	X	< 0.047	< 0.00012							1	UGL	KG/DAY	< 0.20				
9M. Nickel, Total (7440-02-0)	X	0.37 *	0.00091							1	UGL	KG/DAY	5.0				
10M. Selenium, Total, (7782-49-2)	X	< 0.24	< 0.00059							1	UGL	KG/DAY	< 5.0				
11M. Silver, Total (7440-22-4)	X	< 0.28	< 0.00069							1	UGL	KG/DAY	< 1.0				
12M. Thallium, Total (7440-28-0)	X	< 0.057	< 0.00014							1	UGL	KG/DAY	< 1.0				
13M. Zinc, Total (7440-66-6)	X	87	0.214	87	0.214	7.8	0.019	17	UGL	KG/DAY	34.8						
14M. Cyanide, Total, (57-12-5)	X									MGL	--	< 0.010					
15M. Phenols, Total,	X									MGL	--	< 0.009 *					

BIOASSAY

Dioxin (1764-01-6)		2.3.7.8-Tetra-Chlorodibenzo-P-Dioxin		2.3.7.8-Tetra-Chlorodibenzo-P-Dioxin (1764-01-6)	
		X	X	X	X
				DESCRIBE RESULTS	

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1. POLLUTANT AND CAS NUMBER <input type="checkbox"/> (if available)	2. MARK X <input type="checkbox"/>	3. EFFLUENT TESTING REQUIRED	4. UNITS	5. INTAKE <input type="checkbox"/> (optional)					
				a. TEST- ING PRE- SENT	b. BE- LIEVED AB- SENT	c. MAXIMUM DAILY VALUE <input type="checkbox"/> (if available)	d. NO. OF ANALYSES	e. LONG TERM AVRG. VALUE <input type="checkbox"/> (if available)	f. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS			a. CONCEN- TRATION	(1) MASS	(2) MASS	b. MASS	(1) CONCEN- TRATION	(2) MASS	b. NO. OF ANALYSES
1V. Acrolein (107-12-8)	X								
2V. Acrylonitrile (107-13-1)	X								
3V. Benzene (71-43-2)	X								
4V. Bis <input type="checkbox"/> (Chloro- Dimethyl) Ether (542-88-1)	X								
5V. Bromoform (75-25-2)	X								
6V. Carbon Tetrachloride (56-23-5)	X								
7V. Chlorobenzene (108-90-7)	X								
8V. Chlorodi- bromomethane (124-48-1)	X								
9V. Chloroethane (75-00-3)	X								
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X								
11V. Chloroform (67-66-3)	X								
12V. Dichloro- bromomethane (75-27-4)	X								
13V. Dichloro- difluoromethane (75-71-8)	X								
14V. 1,1-Dichloro- ethane (75-34-3)	X								
15V. 1,2-Dichloro- ethane (107-06-2)	X								
16V. 1,1-Dichloro- ethylene (75-35-4)	X								
17V. 1,2-Dichloro- propane (78-87-5)	X								
18V. 1,3-Dichloro- propylene (542-76-6)	X								
19V. Ethylbenzene (100-41-4)	X								
20V. Methyl Bromide (74-83-9)	X								
21V. Methyl Chloride (74-87-3)	X								

CONTINUED FROM PAGE V-4

3. EFFLUENT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X	a. TEST-ING RE-QUIRED	b. BE-LEVED PRE-SENT	c. BE-LEVED AB-SENT	3. EFFLUENT		d. NO. OF ANALYSES	e. LONG TERM AVERAGE VALUE (if available)	f. NO. OF ANALYSES	g. LONG TERM AVERAGE VALUE (if available)
					a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE				
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)										
22V. Methylene Chloride (75-09-2)	X									
23V. 1,1,2-Tetra-chloroethane (79-34-5)	X									
24V. Tetra-chloro-ethylene (127-18-4)	X									
25V. Toluene (108-88-3)	X									
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X									
27V. 1,1,1-Trichloroethane (71-55-6)	X									
28V. 1,1,2-Tri-chloroethane (79-00-5)	X									
29V. Trichloro-Ethylene (79-01-6)	X									
30V. Trichloro-fluoromethane (76-69-4)	X									
31V. Vinyl Chloride (75-01-4)	X									
GC/MS FRACTION - ACID COMPOUNDS										
1A. 2-Chlorophenol (95-57-8)	X									
2A. 2,4-Dichloro-phenol (120-83-2)	X									
3A. 2,4-Dimethyl-phenol (105-87-9)	X									
4A. 1,6-Dinitro-O-Cresol (534-52-1)	X									
5A. 2,4-Dinitro-phenol (51-28-5)	X									
6A. 2-Nitrophenol (88-75-5)	X									
7A. 4-Nitrophenol (100-02-7)	X									
8A. P-Chloro-M-Cresol (69-50-7)	X									
9A. Pentachloro-phenol (87-86-5)	X									
10A. Phenol (108-95-2)	X									
11A. 2,4,6-Tri-chlorophenol (88-06-2)	X									

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X	a. TEST-ING RE-QUIRED	b. BE-LEVED PRE-SENT	c. BE-LEVED AB-SENT	3. EFFLUENT		d. NO. OF ANALYSES	e. LONG TERM AVERAGE VALUE (if available)	f. NO. OF ANALYSES	g. LONG TERM AVERAGE VALUE (if available)
					a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE				
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)										
22V. Methylene Chloride (75-09-2)	X									
23V. 1,1,2-Tetra-chloroethane (79-34-5)	X									
24V. Tetra-chloro-ethylene (127-18-4)	X									
25V. Toluene (108-88-3)	X									
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X									
27V. 1,1,1-Trichloroethane (71-55-6)	X									
28V. 1,1,2-Tri-chloroethane (79-00-5)	X									
29V. Trichloro-Ethylene (79-01-6)	X									
30V. Trichloro-fluoromethane (76-69-4)	X									
31V. Vinyl Chloride (75-01-4)	X									
GC/MS FRACTION - ACID COMPOUNDS										
1A. 2-Chlorophenol (95-57-8)	X									
2A. 2,4-Dichloro-phenol (120-83-2)	X									
3A. 2,4-Dimethyl-phenol (105-87-9)	X									
4A. 1,6-Dinitro-O-Cresol (534-52-1)	X									
5A. 2,4-Dinitro-phenol (51-28-5)	X									
6A. 2-Nitrophenol (88-75-5)	X									
7A. 4-Nitrophenol (100-02-7)	X									
8A. P-Chloro-M-Cresol (69-50-7)	X									
9A. Pentachloro-phenol (87-86-5)	X									
10A. Phenol (108-95-2)	X									
11A. 2,4,6-Tri-chlorophenol (88-06-2)	X									

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER [if available]	2. MARK ^X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE [optional] b. NO. OF ANALYSES	
				a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available) (1)	c. LONG TERM AVERG. VALUE (if available) (1)	d. NO. OF ANALYSES	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCEN- TRATION (2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (63-32-9)	X								
2B. Acenaphthylene (208-96-8)	X								
3B. Anthracene (120-12-7)	X								
4B. Benzidine (92-87-5)	X								
5B. Benzo [k]a] Anthracene (56-5-3)	X								
6B. Benzo [k]a] Pyrene (50-32-6)	X								
7B. 3,4-Benzo-fluoranthene (205-99-2)	X								
8B. Benzo [k]ghii] Paraffene (191-22-2)	X								
9B. Benzo [k] Fluoranthene (207-08-9)	X								
10B. Bis [2-Chloro-] Isobutryoyl] Methane (111-91-1)	X								
11B. Bis [2-chloro-] Isobutyl] Ether (111-44-4)	X								
12B. Bis [2-Chloroisopropyl] ether (102-60-1)	X								
13B. Bis [2-Ethyl-]hexyl] Phthalate (117-81-7)	X								
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X								
15B. Butyl Benzyl Phthalate (65-68-7)	X								
16B. 2-Chloro-naphthalene (91-56-7)	X								
17B. 4-Chlorophenyl Ether (7005-72-3)	X								
18B. Chrysene (218-01-9)	X								
19B. Dibenzo [a,h] Anthracene (53-70-3)	X								
20B. 1,2-Dichloro- benzene (95-50-1)	X								
21B. 1,3-Dichloro- benzene (64-17-3)	X								

1. POLLUTANT AND CAS NUMBER (if available)		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE (dissipation)		
a. TEST-ING PRE-SENT	b. BE-LEVED PRE-PRESENT	c. BE-LEVED AB-SENT	a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVRG. VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN-TRATION (1)	b. MASS	a. LONG TERM AVERAGE VALUE (1)	b. NO. OF ANALYSES
			(2) MASS	(2) MASS	(2) MASS		(1) CONCEN-TRATION	(2) MASS	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)										
22B. 1,4-Dichlorobenzene (106-46-7)		X								
23B. 3,3'-Dichlorobenzidine (91-94-1)		X								
24B. Diethyl Phthalate (84-86-2)		X								
25B. Dimethyl Phthalate (134-11-3)		X								
26B. Di-N-Butyl Phthalate (84-74-2)		X								
27B. 2,4-Dinitrotoluene (121-14-2)		X								
28B. 2,6-Dinitrotoluene (606-20-2)		X								
29B. Di-N-Octyl Phthalate (117-84-0)		X								
30B. 1,2-Diphenylhydrazine Oil (as Azobisisbenzene) (122-56-7)		X								
31B. Fluoranthene (205-44-0)		X								
32B. Fluorene (86-73-7)		X								
33B. Hexachlorobenzene (118-74-1)		X								
34B. Hexachlorobutadiene (87-68-3)		X								
35B. Hexachlorocyclopentadiene (77-47-4)		X								
36B. Hexachloroethane (67-72-1)		X								
37B. Indeno[1,2,3-cd]Pyrene (193-39-5)		X								
38B. Isophorone (78-59-1)		X								
39B. Naphthalene (91-20-3)		X								
40B. Nitrobenzene (98-96-3)		X								
41B. N-Nitrosodimethylamine (92-75-9)		X								
42B. N-Nitrosodimethylamine (621-64-7)		X								

CONTINUED FROM... FRONT

3. EFFLUENT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
				a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES	b. MASS	a. CONCEN- TRATION
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)									
43B. N-Nitro- sodiphenylamine (86-30-9)		X							
44B. Phenanthrene (85-01-8)		X							
45B. Pyrene (129-00-0)		X							
46B. 1,2,4-Tri- chlorobenzene (120-82-1)		X							
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)		X							
2P. -BHC (319-84-6)		X							
3P. 6-BHC (319-85-7)		X							
4P. -BHC (68-89-9)		X							
5P. -BHC (319-86-8)		X							
6P. Chlordane (57-74-9)		X							
7P. 4,4-DDT (60-29-3)		X							
8P. 4,4-DDE (77-45-9)		X							
9P. 4,4-DDD (72-54-8)		X							
10P. Dieldrin (60-57-1)		X							
11P. -Endosulfan (115-29-7)		X							
12P. 1-Endosulfan (115-29-7)		X							
13P. Endosulfan Sulfate (1031-97-8)		X							
15P. Endrin Aldehyde (7421-93-4)		X							
14P. Endrin (72-20-8)		X							
16P. Heptachlor (76-44-8)		X							

EPA I.D. NUMBER (copy from Item 1c., Item 1)

OH0010910

004

				FALL NUMBER	
				004	

3. EFFLUENT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT	
				a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (If available) (2) MASS CONCENTRATION
GC/MS FRACTION - PESTICIDES (continued)					
17P. Heptachlor		X			
Epoxide					
(1024-57-3)					
18P. PCB-1242		X			
(53-469-21-9)					
19P. PCB-1264		X			
(111097-69-1)					
20P. PCB-1221		X			
(11104-28-2)					
21P. PCB-1232		X			
(111141-16-5)					
22P. PCB-1248		X			
(12672-29-6)					
23P. PCB-1260		X			
(11096-82-5)					
24P. PCB-1016		X			
(12674-11-2)					
25P. Toxaphene		X			
(6001-35-2)					

5. INTAKE (optional)

a. CONCEN- TRATION	b. MASS	5. INTAKE (optional)	
		d. NO. OF ANALYSES	b. NO. OF ANALYSES
(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS

CONTINUED FROM THE FRONT
this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT			3. UNITS			4. INTAKE <input type="checkbox"/> (optional)		
	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (1) CONCENTRATION	d. NO. OF ANALYSES	a. CONCEN- TRATION (1) MASS	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANALYSES	
a. Biochemical Oxygen Demand (BOD)	< 2.0	< 11.3					1	MG/L	KG/DAY
b. Chemical Oxygen Demand (COD)	96.4	544					1	MG/L	KG/DAY
c. Total Organic Carbon (TOC)	2.2	12.4					1	MG/L	KG/DAY
d. Total Suspended Solids (TSS)	24	103	12	51.4	< 4.0	< 21.8	61	MG/L	KG/DAY
e. Ammonia (as N)	< 0.37	< 2.09					1	MG/L	KG/DAY
f. Flow		4.38	2.33		1.44	913		MGD	
g. Temperature	VALUE	20.0	VALUE	VALUE	13.6	58	DEG C	20	1
h. Temperature (winter)	VALUE	24.0	VALUE	VALUE	19.7	68	DEG C		
i. pH	MINIMUM 6.9	MAXIMUM 8.0	---	MINIMUM ---	MAXIMUM ---	119	STANDARD UNITS		
PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2-a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.									
2. MARK 'X'	3. EFFLUENT			4. UNITS			5. INTAKE <input type="checkbox"/> (optional)		
1. POLLUTANT AND CAS NO. <input type="checkbox"/> (if available)	a. BE- LIEVED PRE- SENT	b. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (1) CONCENTRATION	d. NO. OF ANALYSES	a. CONCEN- TRATION (1) MASS	b. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		0.19 *	1.072			1	MG/L	KG/DAY
b. Chlorine, Total Residual	X		0.10	0.564			1	MG/L	KG/DAY
c. Color	X	< 25					1	ADMI	< 25
d. Fecal Coliform	X								1
e. Fluoride (16944-48-8)	X		17.2	89.2	10.2	52.3	3.32	18.50	61
f. Nitrate-Nitrite (as N) <input type="checkbox"/>	X	16.0	90.2				1	MG/L	KG/DAY

NOTES: BROMIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 0.20 MG/L; INTAKE COD RESULT BELOW REPORTING LIMIT OF 20 MG/L

ITEM V-B CONTINUED FROM FRONT

		a. BE- LIEVED FRE- SENT	b. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERAGE VALUE (if available)	d. NO. OF CONCEN- TRATION ANALYSES	e. LONG TERM AVG. VALUE (1)	f. CONCENTRATION (2) MASS	4. UNITS	5. INTAKE L(10 ⁻⁶ picomol/L)
		CONCENTRATION (1)	CONCENTRATION (2) MASS	CONCENTRATION	CONCENTRATION (1)	CONCENTRATION (2) MASS	ANALYSES	CONCENTRATION (1)	CONCENTRATION (2) MASS	b. NO. OF ANALYSES	b. NO. OF ANALYSES
1. POLLUT- ANT AND C. AS NO. L.(if available)											
g. Nitrogen, lives N%)	X	< 1.9	10.7								1
h. Oil and Grease	X	6.6	30.0	< 5.0	< 27.3	< 5.0		< 27.3	11.9	MGL	KG/DAY
i. Phosphorous L.(as P), Total (7723-14-0)	X	0.190	1.07						1	MGL	KG/DAY
j. Radioactivity (1) Alpha, Total	X										
k. Beta,											
Total	X										
(3) Radium,											
Total	X										
(4) Radium,											
226. Total,	X										
k. Sulfate L.(as SO ₄ 44L L.) (14805-79-8)	X	106	593						1	MGL	KG/DAY
l. Sulfide L.(as S) m. Sulfite L.(as SO ₃ 63L L.) (14285-45-3)	X	0.60 *	3.38						1	MGL	KG/DAY
n. Surfactants											
o. Aluminum,											
p. Barium,											
q. Boron, Total	X	132	0.74						1	UGL	KG/DAY
(7440-90-5)											
r. Cobalt, Total	X	56.1	0.316						1	UGL	KG/DAY
(7440-36-3)											
s. Iron, Total (7439-98-6)	X	91.3	0.515						1	UGL	KG/DAY
t. Manganese, Total	X	0.038 *	0.0002						1	UGL	KG/DAY
(7439-98-5)											
u. Molybdenum, Total	X	267	1.51						1	UGL	KG/DAY
(7439-98-7)											
v. Manganese, Total	X	12.8	72.2						1	MGL	KG/DAY
(7439-98-5)											
w. Tin, Total (7440-37-5)	X	< 1.5	< 0.008						1	UGL	KG/DAY
x. Titanium, Total	X	17.6	0.99						1	UGL	KG/DAY
(7440-32-6)											

NOTES: SULFIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 0.5 UGL; COBALT RESULT BELOW REPORTING LIMIT OF 1.0 MGL; INTAKE ALUMINUM RESULT BELOW REPORTING LIMIT OF 0.5 UGL; INTAKE COBALT RESULT BELOW REPORTING LIMIT OF 0.50 UGL.

EPA Form 3510-2C (8-90)

PAGE V-2

CONTINUE ON PAGE V-3

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C -

If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 12-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess, wastewater outfalls, and non-GC/MS fractions), mark "X" in column 2-b for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe that it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dithiophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully.

3. EFFLUENT
Complete one table (Total 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT METALS, CYANIDE, AND TOTAL PHENOLS	2. MARK X a. TEST- ING NUMBER (if available)	b. BE- LIEVED PRE- SENCE QUIR- ED	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES (1) MASS	e. LONG TERM AVERAGE VALUE (1) CONCEN- TRATION	f. NO. OF ANALYSES (2) MASS	g. INTAKE (Optional) UNITS 4. UNITS	h. NO. OF ANALYSES (2) MASS	
1M. Antimony, Total (7440-36-0)	X			< 0.036	< 0.0002					1	UG/L	KG/DAY
2M. Arsenic, Total (7440-38-2)	X			0.31 *	0.0017					1	UG/L	KG/DAY
3M. Beryllium, Total (7440-41-7)	X			< 0.045	< 0.00025					1	UG/L	KG/DAY
4M. Cadmium, Total (7440-43-9)	X			< 0.092	< 0.005					1	UG/L	KG/DAY
5M. Chromium, Total (7440-74-3)	X			0.33 *	0.0019					1	UG/L	KG/DAY
6M. Copper, Total (7440-50-8)	X			0.72 *	0.0041	< 2.0	< 0.011	< 0.011	61	UG/L	KG/DAY	4.2
7M. Lead, Total (7439-92-1)	X			0.075 *	0.0004					1	UG/L	KG/DAY
8M. Mercury, Total (7439-97-6)	X			< 0.047	< 0.00027					1	UG/L	KG/DAY
9M. Nickel, Total (7440-02-0)	X			< 0.10	< 0.0006					1	UG/L	KG/DAY
10M. Seleniurm, Total (7782-49-2)	X			< 0.24	< 0.0014					1	UG/L	KG/DAY
11M. Silver, Total (7440-22-4)	X			< 0.28	< 0.0016					1	UG/L	KG/DAY
12M. Thallium, Total (7440-28-0)	X			< 0.057	< 0.0003					1	UG/L	KG/DAY
13M. Zinc, Total (7440-86-6)	X			49	0.384	.355	0.192	7.39	6039	59	UG/L	KG/DAY
14M. Cyanide, Total (57-12-5)	X			< 0.0043	< 0.024					1	MGL	KG/DAY
15M. Phenols, Total	X			0.0060 *	0.034					1	MGL	KG/DAY
DIOXIN												
2,3,7,8-Tetra-chlorobenzo-P-Dioxin (1764-01-6)			X									
DESCRIBE RESULTS												

NOTES: ARSENIC RESULT BELOW REPORTING LIMIT OF 1.0 UG/L; CHROMIUM RESULT IS BELOW REPORTING LIMIT OF 2.0 UG/L; COPPER DAILY MAX RESULT IS BELOW REPORTING LIMIT OF 2.0 UG/L; LEAD RESULT IS BELOW REPORTING LIMIT OF 1.0 UG/L; PHENOLS RESULT BELOW REPORTING LIMIT 0.010 MG/L; INTAKE PHENOLS BELOW REPORTING LIMIT OF 0.010 MG/L; PHENOLS DETECTED IN METHOD BLANK

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER [if available]	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT			4. UNITS			5. INTAKE [if optional]		
				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS												
IV. Acrolein (107-02-8)	X	X	< 0.70	< 0.0039					1	UG/L	KG/DAY	< 0.70
2V. Acrylonitrile (107-13-1)	X	X	< 1.3	< 0.0073					1	UG/L	KG/DAY	< 1.3
3V. Benzene (71-43-2)	X	X	< 0.25	< 0.0014					1	UG/L	KG/DAY	< 0.25
5V. Bromoform (75-25-2)	X	X	< 0.29	< 0.0016					1	UG/L	KG/DAY	< 0.29
6V. Carbon Tetrachloride (56-23-5)	X	X	< 0.25	< 0.0014					1	UG/L	KG/DAY	< 0.25
7V. Chlorobenzene (110-80-7)	X	X	< 0.19	< 0.0011					1	UG/L	KG/DAY	< 0.19
8V. Chlorodibromomethane (124-46-1)	X	X	0.50 * (1.0)	0.0028					1	UG/L	KG/DAY	0.30 * (1.0)
9V. Chloroethane (75-00-3)	X	X	< 0.41	< 0.0023					1	UG/L	KG/DAY	< 0.41
10V. 2-Chloroethylvinyl Ether (110-75-8)	X	X	< 0.89	< 0.0050					1	UG/L	KG/DAY	< 0.89
11V. Chloroform (67-66-3)	X	X	0.59 * (1.0)	0.0033					1	UG/L	KG/DAY	0.43 * (1.0)
12V. Dichlorobromomethane (75-27-4)	X	X	0.63 * (1.0)	0.0036					1	UG/L	KG/DAY	0.36 * (1.0)
13V. Dichlorodifluoromethane (75-71-8)	X	X	< 0.43	< 0.0024					1	UG/L	KG/DAY	1
14V. 1,1-Dichloroethane (76-34-3)	X	X	0.76 * (1.0)	0.0043					1	UG/L	KG/DAY	1.2
15V. 1,2-Dichloroethane (107-06-2)	X	X	< 0.10	< 0.0006					1	UG/L	KG/DAY	< 0.10
16V. 1,1-Dichloroethylene (75-35-4)	X	X	< 0.35	< 0.0020					1	UG/L	KG/DAY	< 0.35
17V. 1,2-Dichloropropane (78-87-5)	X	X	< 0.17	< 0.0010					1	UG/L	KG/DAY	< 0.17
18V. 1,3-Dichloroacrylylene (542-75-6)	X	X	< 0.16	< 0.0009					1	UG/L	KG/DAY	< 0.16
19 V. Ethylbenzene (100-41-4)	X	X	< 0.17	< 0.0010					1	UG/L	KG/DAY	< 0.17
20 V. Methyl Bromide (74-83-9)	X	X	< 0.43	< 0.0024					1	UG/L	KG/DAY	< 0.43
21 V. Methyl Chloride (74-87-3)	X	X	< 0.17	< 0.0010					1	UG/L	KG/DAY	< 0.17

NOTE: RESULTS WITH ASTERISK ARE BELOW THE REPORTING LIMIT. THE REPORTING LIMIT IS LISTED IN PARENTHESES.
EPA Form 3610-2C (8-90)

PAGE V-4

CONTINUE ON PAGE V-5

EPA I.D. NUMBER	[REDACTED]	OUTFALL NUMBER
OH0010910		006

3. EFFLUENT

1. POLLUTANT AND CAS NUMBER □ (if available)	2. MARK X a. TEST-ING PRE-SENT b. BE-LEVED PRE-SENT c. BE-LEVED AB-SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES (1) CONCEN-TRATION (2) MASS	4. UNITS		5. INTAKE □ (optional) □	
						a. LONG TERM AVERAGE VALUE KG/DAY	b. MASS KG/DAY	b. NO. OF ANALYSES	b. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)									
22V. Methylene Chloride (75-09-2)	X	< 0.40	< 0.0023				1	UG/L	KG/DAY
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	X	< 0.42	< 0.0024				1	UG/L	KG/DAY
24V. Tetra(chloro-ethylene) (127-84-4)	X	< 0.21	< 0.0012				1	UG/L	KG/DAY
25V. Toluene (108-88-3)	X	< 0.18	< 0.0010				1	UG/L	KG/DAY
26V. 1,2-Trans-Dichloroethylene (156-60-6)	X	< 0.37	< 0.0021				1	UG/L	KG/DAY
27V. 1,1,1-Trichloroethane (71-55-6)	X	1.7	0.0096				1	UG/L	KG/DAY
28V. 1,1,2-Tri-chloroethane (79-30-5)	X	< 0.22	< 0.0012				1	UG/L	KG/DAY
29V. Trichloro-ethylene (79-01-6)	X	< 0.22	< 0.0012				1	UG/L	KG/DAY
31V. Vinyl Chloride (75-01-4)	X	< 0.17	< 0.0010				1	UG/L	KG/DAY
GC/MS FRACTION ACID COMPOUNDS									
1A. 2-Chlorophenol (95-57-8)	X	< 1.6	< 0.009				1	UG/L	KG/DAY
2A. 2,4-Dichloro-phenol (120-83-2)	X	< 1.5	< 0.008				1	UG/L	KG/DAY
3A. 2,4-Dimethyl-phenol ((105-67-9)	X	< 2.1	< 0.012				1	UG/L	KG/DAY
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X	< 11	< 0.062				1	UG/L	KG/DAY
5A. 2,4-Dinitro-phenol (61-28-5)	X	< 17	< 0.096				1	UG/L	KG/DAY
6A. 2-Nitrophenol (68-75-5)	X	< 3.5	< 0.020				1	UG/L	KG/DAY
7A. 4-Nitrophenol (110-02-7)	X	< 2.1	< 0.012				1	UG/L	KG/DAY
8A. P-Chloro-M-Cresol (68-50-7)	X	< 1.5	< 0.008				1	UG/L	KG/DAY
9A. Pentachloro-phenol (87-86-5)	X	< 0.95	< 0.005				1	UG/L	KG/DAY
10A. Phenol (108-95-2)	X	< 2.3	< 0.013				1	UG/L	KG/DAY
11A. 2,4,6-Tri-chlorophenol (88-06-2)	X	< 1.7	< 0.010				1	UG/L	KG/DAY

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER [If available]	2. MARK X a. TEST- ING RE- QUIRED	3. EFFLUENT C. BE- LIEVED PRE- SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	c. LONG TERM AV/RG. VALUE (if available) (1) CONCENTRATION	d. NO. OF ANALYSES (1) CONCENTRATION	4. UNITS			5. INTAKE [Optional] b. NO. OF ANALYSES a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	
							a. CONCEN- TRATION	b. MASS	c. MASS	d. NO. OF ANALYSES (1) CONCENTRATION	e. MASS
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS											
1B. Acenaphthene (63-32-9)	X	<1.8	<0.010				1	UG/L	KG/DAY	<1.5	1
2B. Acenaphthylene (203-95-8)	X	<2.1	<0.012				1	UG/L	KG/DAY	<1.7	1
3B. Anthracene (120-12-7)	X	<1.4	<0.008				1	UG/L	KG/DAY	<1.1	1
4B. Benzidine (92-87-5)	X	<2.3	<0.013				1	UG/L	KG/DAY	<1.9	1
5B. Benzo [k]a] Anthracene (56-55-3)	X	<1.1	<0.006				1	UG/L	KG/DAY	<0.89	1
6B. Benzo [k]a] Pyrene (50-32-8)	X	<2.9	<0.016				1	UG/L	KG/DAY	<2.4	1
7B. 3,4-Benzofluoranthene (205-99-2)	X	<0.99	<0.006				1	UG/L	KG/DAY	<0.81	1
8B. Benzo [ghi] Perylene (191-24-2)	X	<1.2	<0.007				1	UG/L	KG/DAY	<0.95	1
9B. Benzo [k] Fluoranthene (207-08-9)	X	<1.3	<0.007				1	UG/L	KG/DAY	<1.0	1
10B. Bis [2-Chloro- [ethoxy] Methylene (111-91-1)]	X	<4.0	<0.023				1	UG/L	KG/DAY	<3.3	1
11B. Bis [2-chloro- [ethyl] Methylene Ether (111-44-4)]	X	<1.7	<0.010				1	UG/L	KG/DAY	<1.4	1
12B. Bis [2-Chloroisopropyl] ether (102-60-1)	X						1	UG/L	KG/DAY	<1.6	1
13B. Bis [2-Ethyl- [hexyl] Phthalate (117-81-7)]	X	37 (see note)	0.209				1	UG/L	KG/DAY	2.5 * (1.0)	1
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)	X	<1.4	<0.008				1	UG/L	KG/DAY	<1.2	1
15B. Butyl Benzyl Phthalate (85-68-7)	X	<1.2	<0.007				1	UG/L	KG/DAY	<0.96	1
16B. 2-Chloronaphthalene (91-58-7)	X	<1.7	<0.010				1	UG/L	KG/DAY	<1.4	1
17B. 4-Chlorophenyl Ether (7005-72-3)	X	<1.9	<0.011				1	UG/L	KG/DAY	<1.5	1
18B. Chrysene (218-01-9)	X	<1.1	<0.006				1	UG/L	KG/DAY	<0.91	1
19B. Dibenzoc [a,h] Anthracene (541-73-1)	X	<1.2	<0.007				1	UG/L	KG/DAY	<1.2	1
20B. 1,2-Dichloro- benzene (95-50-1)	X	<1.5	<0.008				1	UG/L	KG/DAY	<1.3	1
21B. 1,3-Dichloro- benzene (541-73-1)	X	<1.5	<0.008				1	UG/L	KG/DAY	<1.2	1

1. POLLUTANT AND CAS NUMBER [If available]	2. MARK X a. TEST- ING RE- QUIRED	3. EFFLUENT	4. UNITS		5. INTAKE DI [optional] □			
			a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVRG. VALUE (1)	d. NO. OF ANALYSES (1)	a. CONCEN- TRATION (1)	b. MASS (2) MASS
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)								
22B. 1,4-Dichloro- benzene (106-46-7)	X	<1.5	<0.018				1	UG/L KG/DAY <1.3
23B. 3,3'-Dichloro- benzidine (91-94-1)	X	<29	<0.164				1	UG/L KG/DAY <24
24B. Diethyl Phthalate (84-65-2)	X	<1.3	<0.007				1	UG/L KG/DAY <1.1
25B. Dimethyl Phthalate (131-11-3)	X	<1.5	<0.008				1	UG/L KG/DAY <1.2
26B. Di-N-Butyl Phthalate (84-74-2)	X	<1.3	<0.007				1	UG/L KG/DAY <1.0
27B. 2,4-Dinitro- toluene (121-14-2)	X	<1.5	<0.008				1	UG/L KG/DAY <1.2
28B. 2,6-Dinitro- toluene (606-20-2)	X	<1.6	<0.009				1	UG/L KG/DAY <1.3
29B. Di-N-Octyl Phthalate (117-84-0)	X	<1.1	<0.006				1	UG/L KG/DAY <0.90
30B. 1,2-Diphenyl- hydrazine Di[as Azo- dibenzene] (122-56-7)	X	<1.6	<0.009				1	UG/L KG/DAY <1.3
31B. Fluoranthene (206-44-0)	X	<1.3	<0.007				1	UG/L KG/DAY <1.1
32B. Fluorene (86-73-7)	X	<1.8	<0.010				1	UG/L KG/DAY <1.5
33B. Hexachlorobenzene (118-74-1)	X	<1.5	<0.008				1	UG/L KG/DAY <1.2
34B. Hexa- chlorobutadiene (87-85-3)	X	<1.7	<0.010				1	UG/L KG/DAY <1.4
35B. Hexachloro- cyclopentadiene (77-47-4)	X	<7.3	<0.041				1	UG/L KG/DAY <5.9
36B. Hexachloro- ethane (67-72-1)	X	<1.6	<0.019				1	UG/L KG/DAY <1.3
37B. Indeno Di(1,2,3-od) Pyrene (193-39-5)	X	<1.2	<0.007				1	UG/L KG/DAY <0.95
38B. Isophorone (78-35-1)	X	<1.6	<0.009				1	UG/L KG/DAY <1.3
39B. Naphthalene (91-20-3)	X	<1.7	<0.010				1	UG/L KG/DAY <1.4
40B. Nitrobenzene (98-95-3)	X	<1.7	<0.010				1	UG/L KG/DAY <1.4
41B. N-Nitro- sodimethylamine (62-75-9)	X	<2.0	<0.011				1	UG/L KG/DAY <4.0
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X	<1.8	<0.010				1	UG/L KG/DAY <1.5

CONTINUED FROM... FRONT

3. EFFLUENT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED AB- SENT	c. BE- LIEVED AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
				a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (1) CONCEN- TRATION	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS □(continued)									
43B. N-Nitro-sodiphenylamine (86-30-9)		X		< 4.9	< 0.028			1	UG/L
44B. Phenanthrene (85-01-8)		X		< 1.12	< 0.006			1	KG/DAY
45B. Pyrene (129-00-0)		X		< 0.95	< 0.005			1	KG/DAY
46B. 1,2,4-Tri-chlorobenzene (120-82-1)		X		< 1.6	< 0.009			1	KG/DAY
GC/MS FRACTION - PESTICIDES									
1P. Aldrin (309-00-2)		X							< 1.6
2P. -BHC (319-84-6)		X							1
3P. α -BHC (319-85-7)		X							1
4P. -BHC (55-89-9)		X							1
5P. -BHC (319-86-8)		X							
6P. Chlordane (57-74-9)		X							
7P. 1,4-DDT (56-29-3)		X							
8P. 4,4'-DDE (72-65-9)		X							
9P. 4,4'-DDD (72-54-8)		X							
10P. Dieldrin (60-57-1)		X							
11P. -Endosulfan (115-29-7)		X							
12P. β -Endosulfan (115-29-7)		X							
13P. Endosulfan Sulfate (1031-07-8)		X							
14P. Endrin (72-20-8)		X							
15P. Endrin Aldehyde (742-133-4)		X							
16P. Heptachlor (76-44-8)		X							

A.I.D. NUMBER (copy from Item 1c., Item 1)
OH0010910

EFFECT NUMBER
006

1. POLLUTANT AND CAS NUMBER □(if available)	2. MARK X a. TEST- ING b. BE- LIEVED PRE- SENT c. BE- AB- SENT	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		a. MAXIMUM DAILY VALUE (1) CONCENTRATION (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION (2) MASS	c. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES (1) CONCEN- TRATION (2) MASS	a. CONCEN- TRATION (1) CONCEN- TRATION (2) MASS	b. NO. OF ANALYSES (1) CONCEN- TRATION (2) MASS
GC/MS FRACTION - PESTICIDES (continued)							
17P. Heptachlor Epoxide (1024-57-3)	X						
18P. PCB-1242 (63469-21-9)	X						
19P. PCB-1254 (11007-69-1)	X						
20P. PCB-1221 (11104-28-2)	X						
21P. PCB-1232 (11141-16-5)	X						
22P. PCB-1248 (12672-29-6)	X						
23P. PCB-1260 (11036-82-5)	X						
24P. PCB-1016 (12674-11-2)	X						
25P. Toxaphene (800-135-2)	X						

CONTINUED FROM THE FRONT
this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OH0010910

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT				3. UNITS <input type="checkbox"/> (specify if blank)	4. INTAKE <input type="checkbox"/> (optional) <input type="checkbox"/>	
	a. MAXIMUM DAILY VALUE <input type="checkbox"/> (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE <input type="checkbox"/> (if available) (2) MASS	c. LONG TERM AVG. VALUE <input type="checkbox"/> (if available) (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES			
					a. CONCENTRATION <input type="checkbox"/> (1) b. MASS	b. CONCENTRATION <input type="checkbox"/> (2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	5.9	2.19			1	MG/L	KG/DAY
b. Chemical Oxygen Demand (COD)	44.3	16.4			1	MG/L	KG/DAY
c. Total Organic Carbon (TOC)	5.6	31.6			1	MG/L	KG/DAY
d. Total Suspended Solids (TSS)	152	15.5	39.1	3.96	1.37	121	KG/DAY
e. Ammonia (as N)	49.2	5.44	15.70	3.58	6.7	121	KG/DAY
f. Flow		0.126		0.073		0.054	MGD
g. Temperature	VALUE	—	VALUE	—	VALUE	—	DEG C
h. Temperature (winter)	VALUE	—	VALUE	—	VALUE	—	—
i. pH	3.0	12.1	MINIMUM	MAXIMUM	MAXIMUM	—	STANDARD UNITS
j. BE-LIEVED PRESENT	2	—	—	—	—	—	—
1. POLLUTANT AND CAS NO. <input type="checkbox"/> (if available)	2. MARK "X"	3. EFFLUENT	4. UNITS	5. INTAKE <input type="checkbox"/> (optional) <input type="checkbox"/>			
a. BE-LIEVED PRESENT	a. MAXIMUM DAILY VALUE <input type="checkbox"/> (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE <input type="checkbox"/> (if available) (2) MASS	c. LONG TERM AVG. VALUE <input type="checkbox"/> (if available) (1) CONCENTRATION (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION <input type="checkbox"/> (1) b. MASS	b. CONCENTRATION <input type="checkbox"/> (2) MASS	b. NO. OF ANALYSES
a. Bromide (24659-67-9)	X	0.56	0.21		1	MG/L	KG/DAY
b. Chlorine, Total Residual	X	0.050	0.019		1	MG/L	KG/DAY
c. Color	X	< 25			1	ADMI	0.13 *
d. Fecal Coliform	X						1
e. Fluoride (16944-48-8)	X	146	38.1	71.0	16.6	29.5	0.04
f. Nitrate-Nitrite (as N)	X	204	75.7		6.89	127	1.4
					1	MG/L	KG/DAY
							0.87

NOTES: BROMIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 0.20 MG/L; INTAKE COD RESULT BELOW REPORTING LIMIT OF 20 MG/L

ITEM 14-B CONTINUED FROM FRONT

2. MARK X

1. POLLUTANT AND CAS NO. Lift available)	a. BE- LIEVED PRE- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSES		e. CONSEN- TRATION		f. MASS		g. NO. OF ANALYSES	
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS
g. Nitrogen, L _i (as N).....	X	< 1.9	< 0.70							1	MGL	KG/DAY	< 3.0		1
Total Organic	X														
h. Oil and Grease	X	15.0	3.29	7.4	1.55	< 5.0	< 1.02	121	MGL	KG/DAY	< 5.0				1
i. Phosphorous L _i (as P).....Total (7723-14-0)	X	0.028 *	0.010					1	MGL	KG/DAY	0.19				1
j. Radioactivity															
(1) Alpha,	X														
Total															
(2) Beta,	X														
Total															
(3) Radium,	X														
Total															
(4) Radium,	X														
226. Total															
k. Sulfate L _i (as SO ₄ 2-L-L)..... (14605-7-9-8)	X	56.2	21					1	MGL	KG/DAY	104				1
l. Sulfide L _i (as S).....	X	0.60 *	0.22					1	MGL	KG/DAY	0.60 *				1
m. Sulfite L _i (as SO ₃ -4-L)..... (14605-45-3)	X	< 2.0	< 0.74					1	MGL	KG/DAY	< 2.0				1
n. Surfactants	X	0.22	0.032					1	MGL	KG/DAY	< 0.20				1
o. Aluminum,															
Total	X	1660	0.616					1	UGL	KG/DAY	19.7 *				1
p. Barium,															
Total (7740-30-3)	X	0.49 *	0.0002					1	UGL	KG/DAY	62.2				1
q. Boron,															
Total (7740-46-5)	X	58.5	0.022					1	UGL	KG/DAY	82.1				1
r. Cobalt, Total (7740-46-4)	X	0.082 *	0.00003					1	UGL	KG/DAY	0.12 *				1
s. Iron, Total (7740-89-6)	X	< 3.3	< 0.0012					1	UGL	KG/DAY	508				1
t. Magnesium,															
Total (7740-98-4)	X	7.02	2.604					1	MGL	KG/DAY	13.30				1
u. Molybdenum,															
Total (7740-31-5)	X	2.98	1.105					1	MGL	KG/DAY	0.015				
v. Manganese,															
Total (7740-98-5)	X	0.77	0.0003					1	UGL	KG/DAY	481				1
w. Tin, Total (7740-31-5)	X	< 1.5	< 0.0006					1	UGL	KG/DAY	< 1.5				
x. Titanium, Total (7740-32-6)	X	102	0.038					1	UGL	KG/DAY	7.4				

NOTES: PHOSPHOROUS BELOW REPORTING LIMIT OF 0.10 MG/L; SULFIDE RESULT AND INTAKE RESULT BELOW REPORTING LIMIT OF 1.0 MG/L; COBALT RESULT AND INTAKE COBALT RESULT BELOW REPORTING LIMIT OF 0.50 UGL; BARIUM RESULT BELOW REPORTING LIMIT OF 10.0 UGL

EPA Form 3510-2C (8-89)

PAGE V-2

CONTINUE ON PAGE V-3

CONTINUED FROM PAGE 3 OF FORM 2-C

EPA I.D. NUMBER (copy from Item 1 of Form 1) **OH0010910** OUTFALL NUMBER **602**

PART C -

If you are a primary industry and its outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 12-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocesses) (wastewater outfalls, and nonrequired GC/MS fractions) mark "X" in column 2-b for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4, 6-dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each outfall. Complete one table (1/7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT METALS, CYANIDE, AND TOTAL PHENOLS	2. MARK <input type="checkbox"/> XX	3. EFFLUENT		4. UNITS		5. INTAKE Discretionary	
		a. TEST-ING PRE-REQUIRED	b. BE-LIEVED PRE-PRESENT	a. MAXIMUM DAILY VALUE (1)	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERG. VALUE (if available)	d. NO. OF CONCEN-TRATION ANALYSES
CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	CONCENTRATION	(1)	(2) MASS	(2) MASS
1M. Antimony, Total (7440-36-0)	X			0.038 *	0.00001		
2M. Arsenic, Total (7440-35-2)	X			2.1	0.0008		
3M. Beryllium, Total (7440-41-7)	X			< 0.045	< 0.0167		
4M. Cadmium, Total (7440-43-9)	X			0.51 *	0.0002		
5M. Chromium, Total (7440-74-3)	X			< 0.26	< 0.0001		
6M. Copper, Total (7440-50-8)	X			0.72 *	0.0003		
7M. Lead, Total (7439-92-1)	X			4.0	0.001	1.0	0.0003
8M. Mercury, Total (7439-97-6)	X			< 0.047	< 0.00002		
9M. Nickel, Total (7440-02-0)	X			< 0.10	< 0.00004		
10M. Selenium, Total (7782-49-2)	X			1.2 *	0.0004		
11M. Silver, Total (7440-22-4)	X			< 0.28	< 0.00010		
12M. Thallium, Total (57-12-5)	X			< 0.057	< 0.0003		
13M. Zinc, Total (7440-96-6)	X			59	0.023	14.8	0.006
14M. Cyanide, Total (57-12-5)	X			0.28	0.085	0.078	0.024
15M. Phenols, Total DIOXIN	X			0.008 *	0.0030		
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (11784-01-6)			X			DESCRIBE RESULTS	

CONTINUED FROM THE FRONT

2. MARK X		3. EFFLUENT			4. UNITS			5. INTAKE (optional) □	
1. POLLUTANT AND CAS NUMBER (if available)	a. TEST- ING. RE- QUIRED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVERAGE VALUE (1) CONCENTRATION	d. NO. OF ANALYSES (2) MASS	a. CONCEN- TRATION (1) CONcen- TRATION	b. MASS (2) MASS
GC/MS FRACTION - VOLATILE COMPOUNDS									
1V. Acrolein (107-02-8)	X			< 0.70	< 0.0003			1	UG/L KG/DAY
2V. Acrylonitrile (107-13-1)	X			< 1.3	< 0.0005			1	UG/L KG/DAY
3V. Benzene (71-43-2)	X			< 0.25	< 0.0001			1	UG/L KG/DAY
5V. Bromoform (75-25-2)	X			< 0.29	< 0.0001			1	UG/L KG/DAY
6V. Carbon Tetrachloride (56-23-5)	X			< 0.25	< 0.0001			1	UG/L KG/DAY
7V. Chlorobenzene (108-80-7)	X			< 0.19	< 0.00001			1	UG/L KG/DAY
8V. Chlorodi- bromomethane (124-48-1)	X			0.31 * (1.0)	0.0001			1	UG/L KG/DAY
9V. Chloroethane (75-00-5)	X			< 0.41	< 0.0002			1	UG/L KG/DAY
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			< 0.59	< 0.0003			1	UG/L KG/DAY
11V. Chloroform (67-66-3)	X			0.56 * (1.0)	0.0002			1	UG/L KG/DAY
12V. Dichloro- bromomethane (75-27-4)	X			0.36 * (1.0)	0.0001			1	UG/L KG/DAY
13V. Dichloro- difluoromethane (75-71-8)	X								
14V. 1,1-Dichloro- ethane (75-34-3)	X			< 0.21	< 0.0001			1	UG/L KG/DAY
15V. 1,2-Dichloro- ethylene (75-35-4)	X			< 0.10	< 0.00004			1	UG/L KG/DAY
17V. 1,2-Dichloro- propane (78-87-5)	X			< 0.35	< 0.0001			1	UG/L KG/DAY
18V. 1,3-Dichloro- propane (542-75-6)	X			< 0.17	< 0.0001			1	UG/L KG/DAY
19 V. Ethylbenzene (100-41-4)	X			< 0.16	< 0.0001			1	UG/L KG/DAY
20V. Methyl Bromide (74-83-9)	X			10	0.0037			1	UG/L KG/DAY
21V. Methyl Chloride (74-87-3)	X			0.97 * (1.0)	0.0004			1	UG/L KG/DAY

NOTE: RESULTS REPORTED WITH ASTERISK ARE BELOW THE REPORTING LIMIT. THE REPORTING LIMIT IS LISTED IN PARENTHESES.

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (if copy from Item 1 of Form 1) OH0010910

OUTFALL NUMBER
602

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIRED ED	b. BE- LEVED RE- PRESENT	c. BE- LEVED AB- SENT	3. EFFLUENT		d. NO. OF ANALYSES (1) CONCENTRATION (2) MASS	e. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION (2) MASS	f. NO. OF ANALYSES (1) CONCENTRATION (2) MASS	4. UNITS		b. NO. OF ANALYSES (1) CONCENTRATION (2) MASS	5. INTAKE DI (optional) U	
				a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION (2) MASS				4. UNITS	5. LONG TERM AVERAGE VALUE (1) CONCEN- TRATION (2) MASS			
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)													
22V. Methylene Chloride (75-09-2)	X			< 0.40	< 0.0001					1	UG/L	KG/DAY	1
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	X			< 0.42	< 0.0002					1	UG/L	KG/DAY	1
24V. Tetrahydro-ethylene (127-18-4)	X			< 0.21	< 0.0001					1	UG/L	KG/DAY	1
25V. Toluene (108-88-3)	X			0.52 * (1.0)	0.0002					1	UG/L	KG/DAY	1
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 0.23	< 0.0001					1	UG/L	KG/DAY	1
27V. 1,1,1-Trichloroethane (77-55-6)	X			< 0.24	< 0.0001					1	UG/L	KG/DAY	1
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 0.22	< 0.0001					1	UG/L	KG/DAY	1
29V. Trichloroethylene (79-01-6)	X			< 0.21	< 0.0001					1	UG/L	KG/DAY	1
31V. Vinyl Chloride (76-01-4)	X			< 0.17	< 0.0001					1	UG/L	KG/DAY	1
GC/MS FRACTION - ACID COMPOUNDS													
1A. 2-Chlorophenol (95-57-8)	X			< 1.4	< 0.0005					1	UG/L	KG/DAY	1
2A. 2,4-Dichlorophenol (120-85-2)	X			< 1.3	< 0.0005					1	UG/L	KG/DAY	1
3A. 2,4-Dimethyl-phenol (105-87-9)	X			< 1.8	< 0.0007					1	UG/L	KG/DAY	1
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 9.6	< 0.0036					1	UG/L	KG/DAY	1
5A. 2,4-Dinitro-phenol (51-28-5)	X			< 15	< 0.0056					1	UG/L	KG/DAY	1
6A. 2-Nitrophenol (83-75-5)	X			< 3.0	< 0.0011					1	UG/L	KG/DAY	1
7A. 4-Nitrophenol (100-02-7)	X			< 1.8	< 0.0007					1	UG/L	KG/DAY	1
8A. P-Chloro-M-Cresol (69-50-7)	X			< 1.3	< 0.0005					1	UG/L	KG/DAY	1
9A. Pentachlorophenol (87-86-5)	X			< 0.32	< 0.0003					1	UG/L	KG/DAY	1
10A. Phenol (108-95-2)	X			< 2.0	< 0.0007					1	UG/L	KG/DAY	1
11A. 2,4,6-Trichlorophenol (80-06-2)	X			< 1.5	< 0.0006					1	UG/L	KG/DAY	1

NOTE: RESULTS REPORTED WITH ASTERISK ARE BELOW THE REPORTING LIMIT. THE REPORTING LIMIT IS LISTED IN PARENTHESIS.

PAGE V-5

CONTINUE ON REVERSE

EPA Form 3510-2C (8-90)

CONTINUED FROM THE FRONT

		3. EFFLUENT			4. UNITS			5. INTAKE (optional)			
1. POLLUTANT AND CAS NUMBER [if available]	2. MARK X a. TEST- ING RE- QUIR- ED	b. BE- LIEVED AB- SENT	c. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCEN- TRATION	b. NO. OF ANALYSES	
GEMS FRACTION - BASE/NEUTRAL COMPOUNDS											
1B. Acenaphthene (83-32-9)	X		<1.8	<0.0007				1	UG/L	KG/DAY	1
2B. Acenaphthylene (208-96-6)	X		<1.8	<0.0007				1	UG/L	KG/DAY	1
3B. Anthracene (130-12-7)	X		<1.2	<0.0004				1	UG/L	KG/DAY	1
4B. Benzidine (91-57-5)	X		<2.0	<0.0007				1	UG/L	KG/DAY	1
5B. Benzo [k]Anthracene (55-55-3)	X		<0.93	<0.0003				1	UG/L	KG/DAY	1
6B. Benzo [a]Pyrene (50-32-8)	X		<2.5	<0.0009				1	UG/L	KG/DAY	1
7B. 3,4-Benzo-fluoranthene (205-99-2)	X		<0.86	<0.0003				1	UG/L	KG/DAY	1
8B. Benzo [ghi]Perylene (191-24-2)	X		<1.0	<0.0004				1	UG/L	KG/DAY	1
9B. Benzo [k]Fluoranthene (207-08-9)	X		<1.1	<0.0004				1	UG/L	KG/DAY	1
10B. Bis [2-Chloro-] [1-Ethoxy] Methane (111-91-1)	X		<3.4	<0.0013				1	UG/L	KG/DAY	1
11B. Bis [2-chloro-] [1-Ethyl] Ether (111-44-4)	X		<1.4	<0.0005				1	UG/L	KG/DAY	1
12B. Bis [2-Chloroisopropyl] ether (102-60-1)	X							1	UG/L	KG/DAY	1
13B. Bis [2-Ethyl-] [1-Methyl] Phthalate (117-81-7)	X		2.8 * (1.0)	<0.0010				1	UG/L	KG/DAY	1
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)	X		<1.2	<0.0004				1	UG/L	KG/DAY	1
15B. Butyl Benzyl Phthalate (65-68-7)	X		<1.0	<0.0004				1	UG/L	KG/DAY	1
16B. 2-Chloro-naphthalene (91-58-7)	X		<1.4	<0.0005				1	UG/L	KG/DAY	1
17B. 4-Chlorophenyl Ether (7005-72-3)	X		<1.4	<0.0005				1	UG/L	KG/DAY	1
18B. Chrysene (218-01-9)	X		<0.95	<0.0004				1	UG/L	KG/DAY	1
19B. Dibenzo [a,h]Anthracene (55-70-3)	X		<1.0	<0.0004				1	UG/L	KG/DAY	1
20B. 1,2-Dichloro-benzene (95-50-1)	X		<1.4	<0.0005				1	UG/L	KG/DAY	1
21B. 1,3-Dichloro- benzene (541-73-1)	X		<1.3	<0.0005				1	UG/L	KG/DAY	1

NOTE: RESULTS REPORTED WITH ASTERISK ARE BELOW THE REPORTING LIMIT. THE REPORTING LIMIT IS LISTED IN PARENTHESIS. BIS-2-EH PHALATE RESULT IS BELIEVED TO BE ARTIFACT OF SAMPLING AND ANALYSIS.

EPA Form 3510-2C (8-90) PAGE V-6

CONTINUE ON REVERSE

1. POLLUTANT AND CAS NUMBER [If available]	2. MARK X a. TEST- ING RE- QUIR- ED	3. EFFLUENT b. BE- LIEVED PRE- SENT	4. UNITS		5. INTAKE (Optional) □	
			a. MAXIMUM DAILY VALUE (1) CONCENTRATION		c. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION	
			(2) MASS		(2) MASS	
GCM'S FRACTION - BASE/NEUTRAL COMPOUND'S (continued)						
22B. 1,4-Dichloro- benzene (106-46-7)	X	< 1.3	< 0.0005		1	UG/L KG/DAY
23B. 3,3'-Dichloro- benzidine (91-94-1)	X	< 25	< 0.0093		1	UG/L KG/DAY
24B. Diethyl Phthalate (84-66-2)	X	< 1.1	< 0.0004		1	UG/L KG/DAY
25B. Dimethyl Phthalate (131-11-3)	X	< 1.3	< 0.0005		1	UG/L KG/DAY
26B. Di-N-Butyl Phthalate (84-74-2)	X	< 1.1	< 0.0004		1	UG/L KG/DAY
27B. 2,4-Dinitro- toluene (121-14-2)	X	< 1.3	< 0.0005		1	UG/L KG/DAY
28B. 2,6-Dinitro- toluene (606-20-2)	X	< 1.3	< 0.0005		1	UG/L KG/DAY
29B. Di-N-Octyl Phthalate (117-84-0)	X	< 0.95	< 0.0004		1	UG/L KG/DAY
30B. [2-Diphenyl- hydrazine] (I) (as Azo- Dibenzene) (122-66-7)	X	< 1.3	< 0.0005		1	UG/L KG/DAY
31B. Fluoranthene (208-44-0)	X	< 1.1	< 0.0004		1	UG/L KG/DAY
32B. Fluorene (86-73-7)	X	< 1.5	< 0.0006		1	UG/L KG/DAY
33B. Hexachlorobenzene (118-74-1)	X	< 1.3	< 0.0005		1	UG/L KG/DAY
34B. Hexa- chlorobutadiene (87-68-3)	X	< 1.5	< 0.0006		1	UG/L KG/DAY
35B. Hexachloro- cyclopentadiene (77-47-4)	X	< 6.3	< 0.0023		1	UG/L KG/DAY
36B. Hexachloro- ethane (67-72-1)	X	< 1.4	< 0.0005		1	UG/L KG/DAY
37B. Indeno [1,2,3-cd] Pyrene (193-39-5)	X	< 1.0	< 0.0004		1	UG/L KG/DAY
38B. Isophorone (78-59-1)	X	< 1.4	< 0.0005		1	UG/L KG/DAY
39B. Naphthalene (91-20-3)	X	< 1.5	< 0.0006		1	UG/L KG/DAY
40B. Nitrobenzene (98-95-3)	X	< 1.5	< 0.0006		1	UG/L KG/DAY
41B. N-Nitro- sodimethylamine (62-75-9)	X	< 1.7	< 0.0006		1	UG/L KG/DAY
42B. N-Nitrosodi- N-Propylamine (62-64-7)	X	< 1.5	< 0.0006		1	UG/L KG/DAY

CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X a. TEST- ING RE- QUIR- ED	3. MARK X b. BE- LIEVED PRE- SENT	4. UNITS	5. INTAKE (optional)			
				a. MAXIMUM DAILY VALUE (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	c. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION (2) MASS CONCENTRATION	d. NO. OF ANALYSES
GCM'S FRACTION - BASE/NEUTRAL COMPOUNDS (continued)							
43B. N-Nitro- sodiphenylamine (86-30-9)	X		< 4.2	< 0.0016			1
44B. Phenanthrene (85-01-6)	X		< 1.1	< 0.0004			1
45B. Pyrene (126-40-0)	X		< 0.94	< 0.0004			1
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	X		< 1.4	< 0.0005			1
GCM'S FRACTION - PESTICIDES							
1P. Aldrin (308-40-2)		X					
2P. -BHC (319-84-6)		X					
3P. -BHC (319-85-7)		X					
4P. -BHC (58-88-9)		X					
5P. -BHC (319-86-8)		X					
6P. Chlordane (57-74-9)		X					
7P. 4,4'-DDT (50-28-3)		X					
8P. 4,4'-DDE (72-55-9)		X					
9P. 4,4'-DDD (72-54-8)		X					
10P. Dieldrin (60-57-1)		X					
11P. -Endosulfan (115-29-7)		X					
12P. 4-Endosulfan (115-29-7)		X					
13P. Endosulfan Sulfate (1031-07-8)		X					
14P. Endrin (7421-93-4)		X					
15P. Heptachlor- (76-44-8)		X					

ALL NUMBER
OH0010910

1. POLLUTANT AND CAS NUMBER (if available)		2. MARK X		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
a. TEST-ING REQUIRED	b. BE-LIEVED PRESENT	c. BE-LIEVED ABSENT	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	c. LONG TERM AVERG. VALUE (if available)	d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE
(1) (1024-57-3)	(1024-57-3)	(53459-21-9)	(1) CONCENTRATION	(1) MASS	(1) CONCENTRATION	(1) CONCENTRATION	(1) CONCEN-TRATION	(2) MASS	(2) MASS
17P. Hepachitor Epoxide	X	X							
18P. PCB-1242	X	X							
19P. PCB-1254	X	X							
(11097-69-1)									
20P. PCB-1221	X	X							
(11104-28-2)									
21P. PCB-1232	X	X							
(11141-16-5)									
22P. PCB-1248	X	X							
(12672-29-6)									
23P. PCB-1260	X	X							
(11096-82-5)									
24P. PCB-1016	X	X							
(12674-11-2)									
25P. Toxaphene	X	X							
(8001-36-2)									

**ATTACHMENT 1
PRODUCTION RATES
CALCULATION OF TECHNOLOGY BASED EFFLUENT LIMITS**

ATTACHMENT 1**TIMET NPDES Permit Renewal Application**
January 2006**FORM 2C Item III C - Production**

<u>Operation</u>	<u>Effluent Limitation Guideline</u>	<u>Production (kg/day)</u>
<i><u>Forging (Forging Contact Cooling Water)</u></i>		
2,500 ton press	40 CFR Part 471.61(h) / 62(h)	90,214 (total forge production)
4,000 ton press	40 CFR Part 471.63(h)	45,107 (approx 50% total production)
<i><u>Pickling (Surface Treatment Spent Baths and Rinsewaters)</u></i>		
Descale Pickling	40 CFR Part 471.61(m) / 62(m) and Part 471.61(n) / 62(n)	67,974
Strip Pickling	40 CFR Part 471.61(m) / 62(m) and Part 471.61(n) / 62(n)	33,949
Sheet Pickling	40 CFR Part 471.63(m) and Part 471.63 (n)	5,388
Plate Pickling	40 CFR Part 471.63(m) and Part 471.63 (n)	34,142
Billet Pickling	40 CFR Part 471.63(m) and Part 471.63 (n)	16,189
Zirconium/hafnium pickling	40 CFR Part 471.93(h) and Part 471.93 (i)	22,675
<i><u>Wet Air Pollution Control Scrubbers</u></i>		
Existing pickling	40 CFR Part 471.61(o) / 62(o)	101,923
Sheet Pickling	41 CFR Part 471.63(o)	5,388
<i><u>Continuos Vacuum Annealing (Alkaline Cleaning Spent Bath and Rinsewaters)</u></i>		
CVA	40 CFR Part 471.63(p) and 471.63(q)	30,332
<i><u>Misc. wastewaters</u></i>	40 CFR Part 471.63(x)	261,999

Proposed technology-based effluent limits for Outfalls 602 and 620 are presented on pages 2 and 3 of this attachment, respectively. As with the current permit, TIMET would report effluent data from the wastewater treatment system under Outfall 602 when processing titanium only, and would report effluent data under Outfall 620 when processing both titanium and zirconium/hafnium.

Also presented are proposed technology-based effluent limits for new "Outfall 622", which include allowances for billet pickling. TIMET has not started the billet pickler, but may do so in the future, depending upon market conditions. Consequently, TIMET requests that allowances be provided in the renewal permit for such operations in the form of a new reporting station (Outfall 622) to be used when pickling titanium billets. Billet pickling would be operated in addition to the current production operations. Accordingly the technology-based effluent limits for Outfall 622 are equal to those at 602 plus the allowance for billet pickling operations.

Should TIMET process zirconium/hafnium and conduct billet pickling during the same month, TIMET would report effluent data under Outfall 620.

ATTACHMENT 1 - TIMET Outfall 602 Technology-Based Effluent Limits

Operation	ELG (40 CFR)	Production (kg/day)	TSS Max	TSS Avg	Oil and Grease Max	Oil and Grease Avg	Lead Max	Lead Avg	Zinc Max	Zinc Avg	Ammonia Max	Cyanide Max	Fluoride Max	Fluoride Avg
Forge Quench														
2500 T Press	471.61(m)(62)(n) BPT/BAT	45,107	82	39	40	24	0.042	0.020	0.061	13.3	5.86	0.029	0.012	5.95
4000 T Press	471.63(m) NSPS	45,107	4.10	1.95	2.00	1.20	0.042	0.020	0.061	13.3	5.86	0.028	0.012	5.95
Total Forge Production (kg/day)		90,214		0.09	0.05	0.00	0.00	0.01	0.00	0.60	0.26	0.00	0.00	0.27
<u>Surface Treatment Sheet Baths</u>														
Descale Pickle	471.61(m)(62)(n) BPT/BAT	67,974	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
Strip Pickle	471.61(m)(62)(n) BPT/BAT	33,949	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	1.88	0.83	0.00	0.00
Sheet Pickle	471.63(m) NSPS	5,388	0.29	0.14	0.14	0.08	0.00	0.00	0.00	0.00	0.94	0.41	0.00	0.42
Plate Pickling	471.63(m) NSPS	34,142	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
Plate Pickling	471.63(m) NSPS BPT : 10% allowance for low volume treatment	0.03	0.01	0.01	0.01	0.01	0.0003	0.0001	0.0010	0.0004	0.15	0.07	0.00	0.00
<u>Surface Treatment Rinses</u>														
Descale Pickle	471.61(m)(62)(n) BPT/BAT	67,974	1200	570	584	351	1.23	0.584	4.27	1.78	389	171	0.847	0.351
Strip Pickle	471.61(m)(62)(n) BPT/BAT	33,949	1200	570	584	351	1.23	0.584	4.27	1.78	26.44	11.62	0.06	0.02
Sheet Pickle	471.63(m) NSPS	5,388	120	57	58.4	35.1	1.23	0.584	4.27	1.78	389	171	0.847	0.351
Plate Pickling	471.63(m) NSPS	34,142	120	57	58.4	35.1	1.23	0.584	4.27	1.78	2.10	0.92	0.00	0.00
Sheet scrub	471.63(e) NSPS	0.41	0.19	0.20	0.12	0.00	0.00	0.00	0.01	0.01	1.33	0.58	0.00	0.00
<u>Alkaline Cleaning Spent Bath</u>														
Continuous Vac Annual	471.63(p) NSPS	101,923	87.8	41.8	42.8	25.7	0.090	0.043	0.313	0.131	28.5	12.6	0.062	0.026
Wat/AC Scrubbers	471.61(o)(62)(e) BPT/BAT		8.95	4.26	4.36	2.62	0.01	0.00	0.03	0.01	2.90	1.28	0.01	0.00
Descale and Strip Scrub.	471.61(o)(62)(e) BPT/BAT										0.97	0.43	0.00	0.43
Sheet scrub	471.63(e) NSPS	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.07	0.00	0.07
<u>Alkaline Cleaning Rinses</u>														
Continuous Vac Annual	471.63(e) NSPS	30,332	9.84	4.68	4.80	2.88	0.101	0.048	0.361	0.147	32.0	14.1	0.070	0.036
Miss. Wastewaters	Total Production 471.63(k) NSPS	261,999	11.3	5.38	5.52	3.31	0.116	0.055	0.403	0.169	36.8	16.2	0.080	0.033
<u>Outfall 602 Technology-Based Effluent Limits</u>														
Alkaline Cleaning Spent Bath		138.2	65.6	67.3	40.4	0.170	0.081	0.589	0.246	53.6	23.6	0.117	0.048	24.0
Alkaline Cleaning Rinses														
Continuous Vac Annual	471.63(e) NSPS	30,332	0.34	0.16	0.17	0.10	0.00	0.00	0.01	0.01	1.12	0.49	0.00	0.50
Miss. Wastewaters	Total Production 471.63(k) NSPS	261,999	1.33	0.63	0.648	0.389	0.014	0.007	0.048	0.02	4.32	1.90	0.01	0.004
<u>Outfall 602 Technology-Based Effluent Limits</u>														
BP Note:	For plate pickling, the majority of the process bath is hauled off-site when spent. However a portion of the bath is transported to the wastewater treatment system with the plate pickling rinsewaters. Consequently, 10% of the allowance for plate pickling spent baths was used for the ELG calculation. Plate pickling rinsewaters are trucked to the wastewater treatment system approximately once every 90 days. Consequently, 10% of the allowance for plate pickling rinsewaters was used for the ELG calculation.													

ATTACHMENT 1 - TIMET Outfall 620 Technology Based Effluent Limits

Operation	ELG (40 CFR)	Production (kg/day)	TS Max	Oil and Grease Avg	Chromium Max	Lead Avg	Nickel Max	Zinc Avg	Ammonia Max	Cyanide Avg	Fluoride Max
<u>Electro-Quench</u>											
2300 T Press	471.61(m)(6)(n) BPT/BAT	45,107	82	40	24	0.042	0.020	0.146	0.061	13.3	5.86
		3.70	1.76	1.80	1.08	0.00	0.00	0.01	0.00	0.00	0.27
4000 T Press	471.63(n) NSPS	45,107	4,10	1.95	2.00	0.042	0.020	0.146	0.061	13.3	5.86
		0.18	0.09	0.09	0.05	0.00	0.00	0.01	0.00	0.00	0.27
Total Forge Production (kg/day)		80,214									
<u>Surface Treatment Spent Baths</u>											
Descale Pickle	471.61(m)(6)(n) BPT/BAT	67,974	8,53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7
		0.58	0.28	0.28	0.17	0.01	0.00	0.02	0.01	0.83	0.37
Strip Pickle	471.61(m)(6)(n) BPT/BAT	11,274	8,53	4.05	4.16	2.50	0.088	0.042	0.304	0.127	27.7
		0.19	0.05	0.05	0.03	0.00	0.00	0.00	0.00	0.14	0.06
ZIRCONIUM/HAF 471.63(n) NSPS		22,675	14,00	6.53	6.80	4.08	0.150	0.061	0.653	0.10	45.36
		0.32	0.15	0.15	0.09	0.003	0.001	0.015	-	1.93	0.45
Sheet Pickle	471.63(n) NSPS	5,388	8,53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7
		0.05	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.15	0.07
Plate Pickling	471.63(n) NSPS	34,142	8,53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7
		0.0291	0.0139	0.0142	0.0085	0.0003	0.0001	0.0010	0.0004	0.0946	0.0417
Total Treatment Rinse		67,974	1200	570	584	351	1.23	0.584	4.27	1.78	389
Descale Pickle	471.61(m)(6)(n) BPT/BAT	81,57	38.75	38.70	38.86	0.08	0.04	0.28	0.12	26.44	11.62
Strip Pickle	471.61(m)(6)(n) BPT/BAT	11,274	1200	570	584	351	1.23	0.584	4.27	1.78	389
		13.53	6.43	6.53	3.96	0.01	0.01	0.05	0.02	4.38	1.93
ZIRCONIUM/HAF 471.63(n) NSPS		22,675	36.40	17.30	17.80	10.70	0.391	0.160	1.71	1.19	52.1
		0.83	0.39	0.40	0.24	0.09	0.004	0.03	-	2.70	1.18
Sheet Pickle	471.63(n) NSPS	5,388	120	57	58.4	35.1	1.23	0.584	4.27	1.78	389
		0.65	0.31	0.31	0.19	0.01	0.00	0.02	0.01	2.10	0.92
Plate Pickling	471.63(n) NSPS	34,142	120	57	58.4	35.1	1.23	0.584	4.27	1.78	389
		0.41	0.19	0.19	0.12	0.00	0.00	0.01	0.01	1.33	0.58
Wet/ADC Scrubbers		79,246	87.8	41.8	42.8	25.7	0.090	0.043	0.313	0.131	28.5
Descale and Strip Scrub.	471.61(m)(6)(n) BPT/BAT	6,96	3.31	3.39	2.04	0.01	0.00	0.02	0.01	2.26	1.00
Sheet scrub 471.63(n) NSPS		5,388	8.78	4.18	4.28	2.57	0.080	0.043	0.313	0.131	28.5
		0.05	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.15	0.07
Alkaline Cleaning Spent Bath		9,84	4.68	4.80	2.88	0.101	0.048	0.251	0.147	32.0	14.1
Continuous Vac Anneal 471.63(n) NSPS		0.30	0.14	0.15	0.09	0.00	0.00	0.01	0.00	0.97	0.43
Alkaline Cleaning Rinse		30,332	11.3	5.38	5.52	3.31	0.116	0.056	0.403	0.169	36.8
Continuous Vac Anneal 471.63(n) NSPS		0.34	0.18	0.17	0.10	0.00	0.00	0.01	0.01	1.12	0.49
Misc. Wastewaters		26,1,999	1.33	0.63	0.648	0.389	0.014	0.007	0.048	0.02	47.2
Total Production 471.63(n) NSPS		0.35	0.17	0.17	0.10	0.00	0.00	0.01	0.01	1.13	0.50

Outfall 620 Technology-Based Effluent Limits 109.9 52.2 53.5 32.2 0.012 0.005 0.14 0.07 0.05 0.04 0.48 0.20 47.2 20.8 0.103 0.04 21.1 9.4 kg/day

BPL Note: For plate pickling, the majority of the process bath is hauled off-site when spent. However a portion of the bath is transported to the wastewater treatment system with the plate pickling rinsewaters. Consequently, 10% of the allowance for plate pickling rinsewaters was used for the ELG calculation.

Outfall 620 Technology-Based Effluent Limits calculated by using zirconium/hafnium pickling production in place of titanium pickling production. Other operations remain unchanged.

ATTACHMENT 1 - TIMET Outfall 622 Technology Based Effluent Limits (Titanium processing with Billet Pickling in operation)

Operation	ELG (40 CFR)	Production (kg/day)	TSS Max	TSS Avg	Oil and Grease Max	Oil and Grease Avg	Lead Max	Lead Avg	Zinc Max	Zinc Avg	Ammonia Max	Cyanide Max	Fluoride Max	Fluoride Avg
<u>Bilge Scrub</u>														
2500 T Press	471.61(m)(62)(n) BPT/BAT	45,107	82	39	40	24	0.042	0.020	0.146	0.061	13.3	5.86	0.029	0.012
		3.70	1.76	1.80	1.08	0.08	0.00	0.01	0.060	0.026	0.60	0.60	0.00	5.95
4000 T Press	471.63(h) NSPS	45,107	4.10	1.95	2.00	1.20	0.042	0.020	0.146	0.061	13.3	5.86	0.029	0.012
		0.18	0.09	0.09	0.05	0.00	0.00	0.01	0.060	0.026	0.60	0.60	0.00	5.95
Total Forge Production (kg/day)		90,214												
<u>Surface Treatment Spent Baths</u>														
Descale Pickle	471.61(m)(62)(n) BPT/BAT	67,974	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
		0.58	0.28	0.28	0.17	0.01	0.00	0.02	0.01	1.88	0.63	0.00	0.00	12.4
Strip Pickle	471.61(m)(62)(n) BPT/BAT	33,949	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
		0.29	0.14	0.14	0.08	0.00	0.00	0.01	0.00	0.94	0.41	0.00	0.00	12.4
Sheet Pickle	471.63(n) NSPS	5,388	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
		0.05	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.15	0.07	0.00	0.00	12.4
<u>Plate Pickling</u>	471.63(m) NSPS BPU : 10% allowance for plate pickling treatment	34,142	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
		0.0291	0.0139	0.0142	0.0142	0.0085	0.0033	0.0001	0.0010	0.0004	0.0546	0.0417	0.0002	0.0001
Billet Pickling	471.63(m) NSPS	16,189	8.53	4.06	4.16	2.50	0.088	0.042	0.304	0.127	27.7	12.2	0.061	0.025
		0.1381	0.0657	0.0673	0.0405	0.0014	0.0007	0.0049	0.0021	0.4484	0.1975	0.0010	0.0004	12.4
<u>Surface Treatment Rinse</u>														
Descale Pickle	471.61(m)(62)(n) BPT/BAT	67,974	1200	570	584	351	1.23	0.384	4.27	1.78	389	171	0.847	0.351
		81.57	38.75	39.70	23.86	0.68	0.04	0.28	0.12	26.44	11.62	0.06	0.02	174
Strip Pickle	471.61(m)(62)(n) BPT/BAT	33,949	1200	570	584	351	1.23	0.584	4.27	1.78	389	171	0.847	0.351
		40.74	19.35	19.83	11.92	0.04	0.02	0.14	0.06	13.21	5.81	0.03	0.01	174
Sheet Pickle	471.63(n) NSPS	5,388	120	57	58.4	35.1	1.23	0.584	4.27	1.78	389	171	0.847	0.351
		0.65	0.31	0.31	0.19	0.01	0.00	0.02	0.01	2.10	0.92	0.00	0.00	174
<u>Net APC Scrubbers</u>														
Descale and Strip Scrub.	471.61(m)(62)(n) BPT/BAT	101,923	87.8	41.8	42.8	25.7	0.090	0.043	0.313	0.131	28.5	12.6	0.062	0.026
		8.95	4.26	4.36	2.62	0.01	0.00	0.03	0.01	2.90	1.28	0.01	0.00	12.8
Sheet scrub	471.63(n) NSPS	5,388	87.8	41.8	42.8	25.7	0.090	0.043	0.313	0.131	28.5	12.6	0.062	0.026
		0.05	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.15	0.07	0.00	0.00	12.8
<u>Alkaline Cleaning Spent Bath</u>														
Continuous Vac Anneal	471.63(p) NSPS	30,332	9.84	4.68	4.80	2.88	0.101	0.048	0.351	0.147	32.0	14.1	0.070	0.030
		0.30	0.14	0.15	0.08	0.00	0.00	0.01	0.00	0.97	0.43	0.00	0.00	14.3
<u>Alkaline Cleaning Rinse</u>														
Continuous Vac Anneal	471.63(q) NSPS	30,332	11.3	5.38	5.52	3.31	0.116	0.055	0.403	0.169	36.8	16.2	0.080	0.033
		0.34	0.16	0.17	0.10	0.00	0.00	0.01	0.01	1.12	0.49	0.00	0.00	16.4
<u>Misc. Wastewaters</u>														
Total Production	471.63(y) NSPS	278,188	1.33	0.63	0.648	0.389	0.014	0.007	0.048	0.02	4.32	1.90	0.01	0.004
		0.37	0.18	0.18	0.11	0.00	0.00	0.01	0.01	1.20	0.53	0.00	0.00	1.93
<u>Outfall 622 Technology-Based Effluent Limits</u>														
		140.3	66.6	66.3	41.0	0.191	0.091	0.663	0.277	60.4	26.6	0.132	0.055	27.0

BPU Note: For plate pickling, the majority of the process bath is hauled offsite when spent. However a portion of the bath is transported to the wastewater treatment system with the plate pickling rinsewaters. Consequently, 10% of the allowance for plate pickling rinsewaters was used for the ELG calculation.

FORM 2F

**Form
2F
NPDES**



**United States Environmental Protection Agency
Washington, DC 20460**

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St, SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

II. Improvements

- A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

- B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structure control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each are not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

Continued from the Front

IV. Narrative Description of Pollutant Sources

For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	213,000 ft ²	213,000 ft ²	004	218,000 ft ²	218,000 ft ²
002	47,600 ft ²	47,600 ft ²	006	967,900 ft ²	967,900 ft ²
003	118,400 ft ²	118,400 ft ²			

- B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Potential storm water pollution sources and Best Management Practices are identified in the Plant's Storm Water Pollution Prevention Plan.

- C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
All	Storm water discharges are not treated. Potential storm water pollution sources and Best Management Practices are identified in the Plant's Storm Water Pollution Prevention Plan.	

V. Non Stormwater Discharges

- A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name of Official Title (type or print)
Robert Prystaloski, Plant Manager

Signature

Date Signed

1/25/06

- B. provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

As identified on Form 2C of this application, all outfalls contain wastewater other than storm water.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

On June 14, 2003 a small quantity of hydraulic oil was released from a fluid line on an out-of-service hydraulic unit. The released oil reached Outfall 004. The remaining fluid was drained from the unit and collected and the unit was moved to the spare parts storage area.

EPA ID Number (copy from Item I of Form 1)

OH0010910

Continued from Page 2

Discharge Information

B,C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - Is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes (list all such pollutants below)

No (go to Section IX)

Nitrate-nitrite nitrogen**VIII. Biological Toxicity Testing Data**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes (list all such pollutants below)

No (go to Section IX)

Toxicity testing at Outfall 006 was conducted as part of an Ohio EPA inspection in November 2004.

IX. Contact analysis Information

Were any of the analysis reported in item VII performed by a contact laboratory or consulting firm?

Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Severn Trent Laboratories, Inc.	301 Alpha Drive Pittsburgh, PA 15238	412.963.7058	All

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Phone No.
Albert Prystaloski, Plant Manager	740-537-5604
Signature 	D. Date Signed 1/25/06

II. Discharge Information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	5.0 mg/l	NA	ND	NA	4	
Biological Oxygen Demand (BOD5)	2.4 mg/l	2.2 mg/l	ND	ND	4	
Chemical Oxygen Demand (COD)	39.9 mg/l	17.0 mg/l	15.2 mg/l	7.7 mg/l	4	
Total Suspended Solids (TSS)	17.0 mg/l	17.0 mg/l	10.8 mg/l	13.0 mg/l	4	
Total Organic Nitrogen	--	--	--	--	--	
Total Phosphorus	--	--	--	--	--	
pH	Max. 7.2 su	--	Min. 6.5 su	--	4	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia-N	0.2 mg/l	0.17 mg/l	ND	ND	4	
T. Cyanide	ND	ND	ND	ND	4	
Uranide	0.52 mg/l	0.31 mg/l	0.29 mg/l	0.21 mg/l	4	
Arsenic, Total	ND	0.006 mg/l	ND	0.0015 mg/l	4	
Cadmium, Total	ND	ND	ND	ND	4	
Chromium, Total	ND	ND	ND	ND	4	
Copper, Total	0.032 mg/l	0.011 mg/l	0.008 mg/l	0.003 mg/l	4	
Lead, Total	0.0077 mg/l	0.017 mg/l	0.006 mg/l	0.010 mg/l	4	
Nickel, Total	ND	ND	ND	ND	4	
Zinc, Total	0.300 mg/l	0.140 mg/l	0.157 mg/l	0.116 mg/l	4	

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted sample.				
1.	2.	3.	4.	5.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Total flow from rain event (gallons or specify units)
11/24/03	270	0.16	> 72 hrs	19,000 (25,000 gallons measured as total daily flow from Outfall 001 on 11/24/03)

7. Provide a description of the method of flow measurement or estimate.

Drainage area (ft²) x 0.9 run-off factor x rainfall (ft) x 7.48 gallons/ft³

OUTFALL 002

EPA ID Number (*copy from Item I of Form 1*)
OH0010910

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

III. Discharge Information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow- weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	NA	ND	NA	4	
Biological Oxygen Demand (BOD5)	ND	ND	ND	ND	4	
Chemical Oxygen Demand (COD)	19.0 mg/l	134 mg/l	8.8 mg/l	33.5 mg/l	4	
Total Suspended Solids (TSS)	6.0 mg/l	11.0 mg/l	ND	ND	4	
Total Organic Nitrogen	--	--	--	--	--	
Total Phosphorus	--	--	--	--	--	
pH	Max. 7.4 su	--	Min. 6.6 su	--	4	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1.	2.	3.	4.	5.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Total flow from rain event (gallons or specify units)
12/13/01	150	0.14	> 72	4,000 (44,000 gallons total measured flow from Outfall 002 on 12/13/01)

7. Provide a description of the method of flow measurement or estimate.

Drainage area (ft²) x 0.9 run-off factor x rainfall (ft) x 7.48 gallons/ft³

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Instructions for additional details.						
Pollutant And CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow- weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	NA	ND	NA	4	
Biological Oxygen Demand (BOD5)	ND	2.0 mg/l	ND	ND	4	
Chemical Oxygen Demand (COD)	25.7 mg/l	35.1 mg/l	11.7 mg/l	11.2 mg/l	4	
Total Suspended Solids (TSS)	4.0 mg/l	10.0 mg/l	ND	ND	4	
Total Organic Nitrogen	--	--	--	--	--	
Total Phosphorus	--	--	--	--	--	
pH	Max. 7.8 su	--	Min. 6.7 su	--	4	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1.	2.	3.	4.	5.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Total flow from rain event (gallons or specify units)
11/24/03	270	0.16	> 72	11,000 <i>(Total Flow on the day of sampling was 666,000 gallons)</i>

7. Provide a description of the method of flow measurement or estimate.

Drainage area (ft²) x 0.9 run-off factor x rainfall (ft) x 7.48 gallons/ft³

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Instructions for additional details.						
Pollutant And CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow- weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	2.0 mg/l	NA	ND	NA	4	
Biological Oxygen Demand (BOD5)	ND	ND	ND	ND	4	
Chemical Oxygen Demand (COD)	30.4 mg/l	21.7 mg/l	9.4 mg/l	13.1 mg/l	4	
Total Suspended Solids (TSS)	16.0 mg/l	12.0 mg/l	5.6 mg/l	6.0 mg/l	4	
Total Organic Nitrogen	--	--	--	--	--	
Total Phosphorus	--	--	--	--	--	
pH	Max. 8.0 su	--	Min. 7.8 su	--	4	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1.	2.	3.	4.	5.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Total flow from rain event (gallons or specify units)
11/14/05	180	0.96	> 72	117,000 <i>(Total flow from outfall on day of sampling was measured as 677,000 gallons)</i>

7. Provide a description of the method of flow measurement or estimate.

Drainage area (ft²) x 0.9 run-off factor x rainfall (ft) x 7.48 gallons/ft³

OUTFALL 006

EPA ID Number (*copy from Item I of Form 1*)
OH0010910

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow- weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	ND	NA	ND	NA	4	
Biological Oxygen Demand (BOD5)	5.0 mg/l	NA	2.8 mg/l	NA	4	
Chemical Oxygen Demand (COD)	24.3 mg/l	18.6 mg/l	17.3 mg/l	7.7 mg/l	4	
Total Suspended Solids (TSS)	6.0 mg/l	6.0 mg/l	4.0 mg/l	4.0 mg/l	4	
Total Organic Nitrogen	--	--	--	--	--	
Total Phosphorus	--	--	--	--	--	
pH	Max. 7.7 su	--	Min. 6.1 su	--	4	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

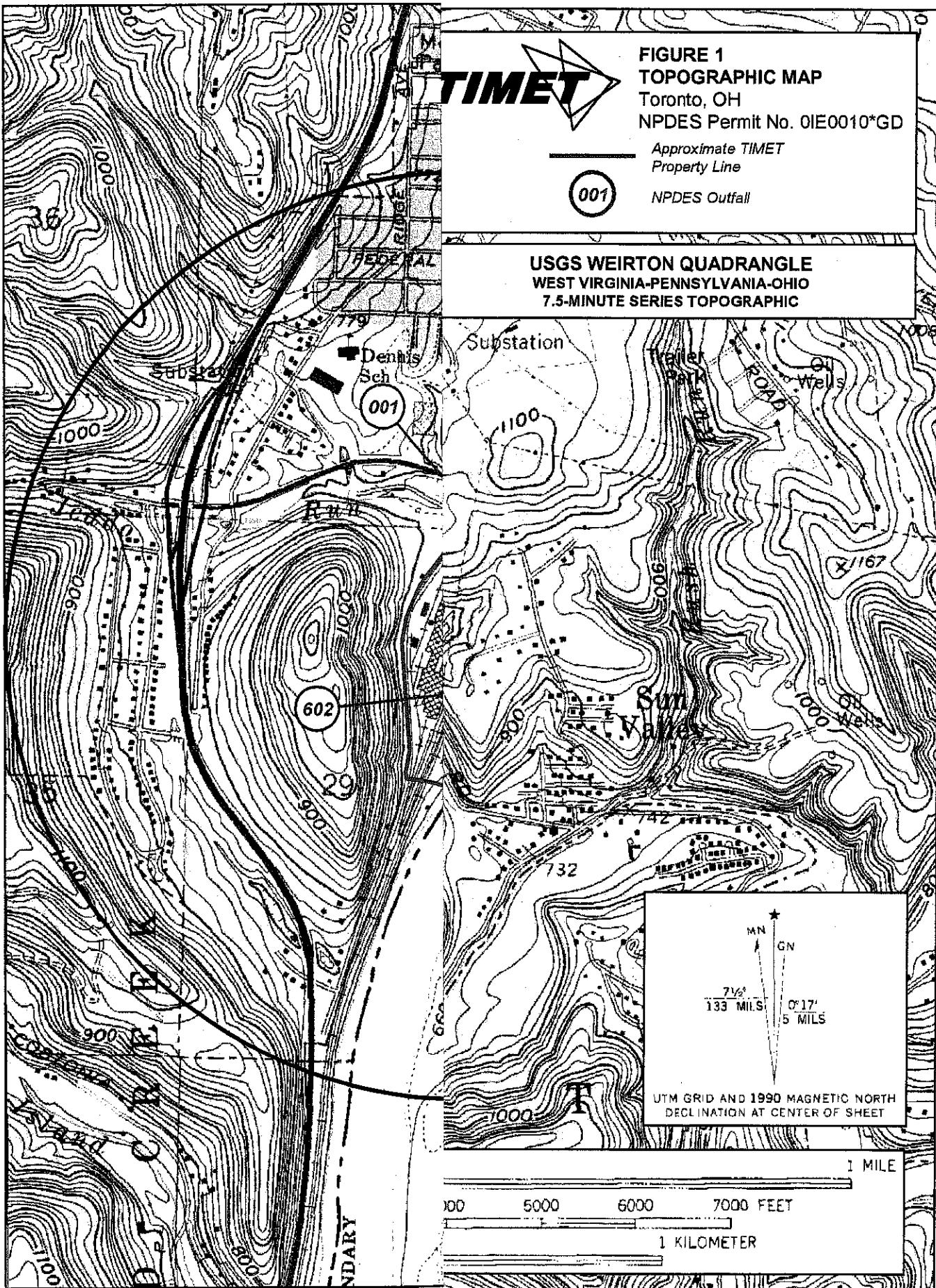
Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

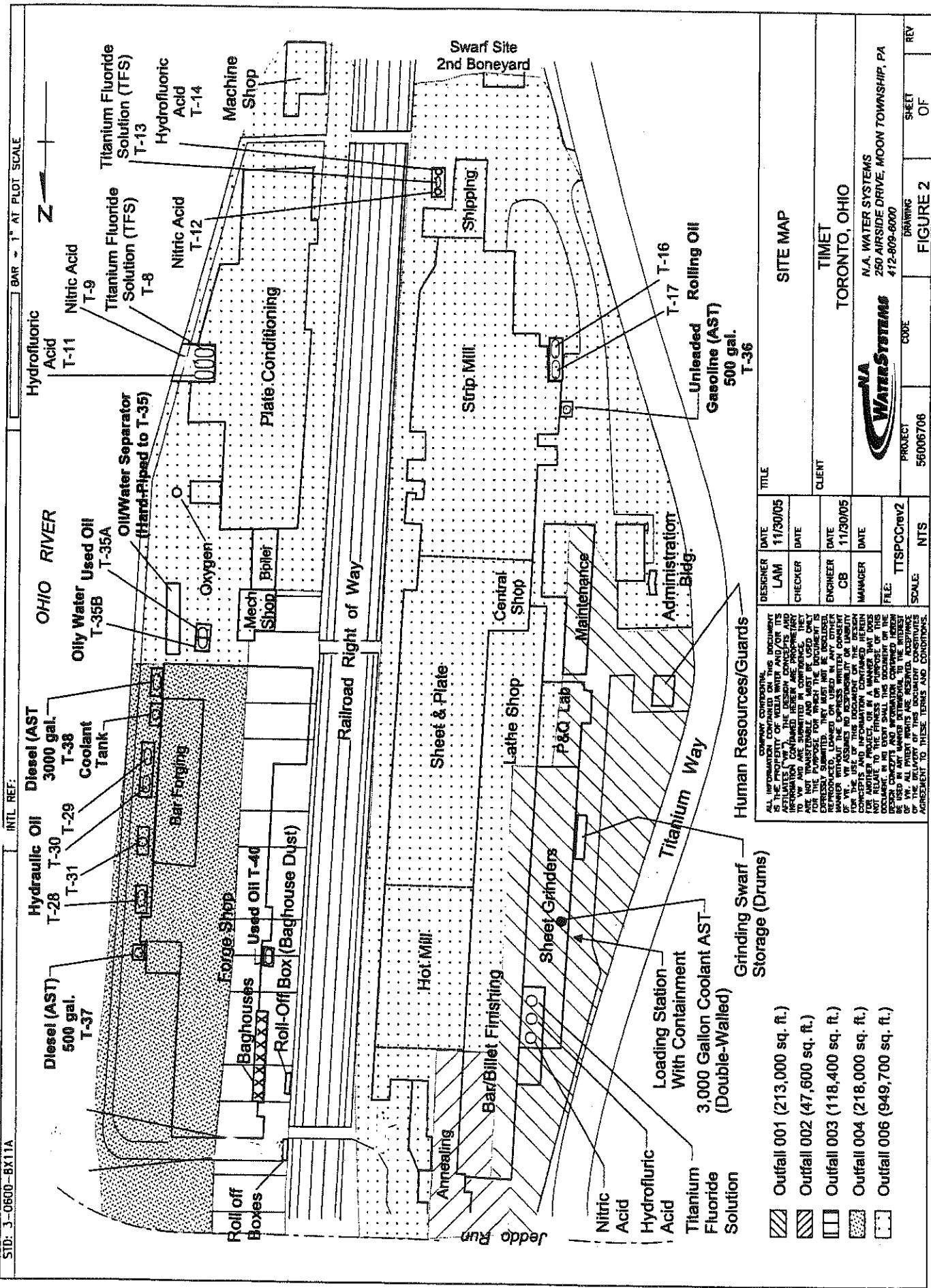
1.	2.	3.	4.	5.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Total flow from rain event (gallons or specify units)
12/13/01	150	0.14	> 72	76,000 <i>(Total measured flow from Outfall 006 on 12/13/01 was 662,000 gallons)</i>

7. Provide a description of the method of flow measurement or estimate.

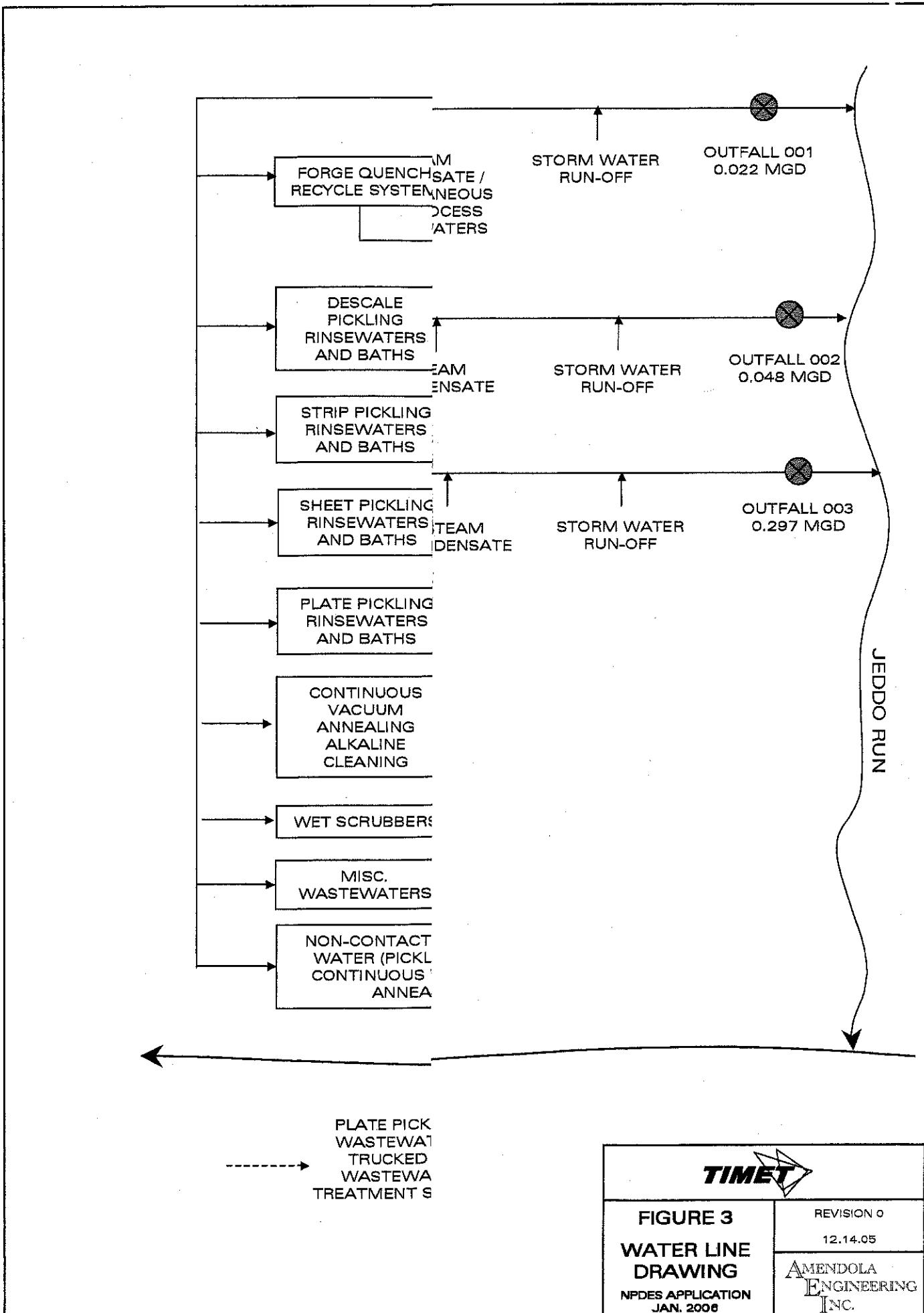
Drainage area (ft²) x 0.9 run-off factor x rainfall(ft) x 7.48 gallons/ft³

FIGURES





COMPANY/COMPONENT	DESIGNER	DATE	TITLE
ALL INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF METAL WORKS AND ON ITS AFFILIATES ("MWA"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO MWA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE TO BE USED ONLY FOR THE PURPOSE FOR WHICH THEY WERE PROVIDED. MWA DOES NOT GRANT ANY RIGHTS EXPRESSED OR IMPLIED. THEY MUST NOT BE REPRODUCED, COPIED OR USED IN ANY OTHER MANNER THAN THE EXPRESSLY AUTHORIZED CONSENT OF MWA. THIS DOCUMENT IS THE PROPERTY OF MWA AND IS TO BE USED ONLY FOR THE PURPOSE FOR WHICH IT WAS PROVIDED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED, COPIED OR USED IN ANY MANNER DETERMINED BY THE DIRECTOR OF MWA. ALL PATENT RIGHTS ARE RESERVED. ACCEPTANCE OF MWA'S TERMS AND CONDITIONS OF USE OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.	LAM	11/30/05	SITE MAP
	CHECKER	DATE	
	ENGINEER	DATE	TIMET
	CB	11/30/05	TORONTO, OHIO
	MANAGER	DATE	
	FILE		N.A. WATER SYSTEMS WATER SYSTEMS 250 AIRSIDE DRIVE, MOON TOWNSHIP, PA 412-869-6000
SCALE	NTS	PROJECT CODE	DRAWING SHEET 2 OF 2 REV
	56006706		



ANTIDEGRADATION ADDENDUM



DIVISION OF SURFACE WATER

Antidegradation Addendum

In accordance with Ohio Administrative Code 3745-1-05 (Antidegradation), additional information may be required to complete your application for a permit to install or NPDES permit. For any application that may result in an increase in the level of pollutants being discharged (NPDES and/or PTI) or for which there might be activity taking place within a stream bed, the processing of the permit(s) may be required to go through procedures as outlined in the antidegradation rule. The rule outlines procedures for public notification and participation as well as procedures pertaining to the levels of review necessary. The levels of review necessary depend on the degradation being considered/requested. The rule also outlines exclusions from portions of the application and review requirements and waivers that the Director may grant as specified in Section 3745-1-05(D) of the rule. Please complete the following questions. The answers provided will allow the Ohio EPA to determine if additional information is needed. All projects that require both an NPDES and PTI should submit both applications simultaneously to avoid going through the antidegradation process separately for each permit.

A. Applicant: Titanium Metals Corporation - Toronto, OH

Facility Owner: Titanium Metals Corporation

Facility Location (city and county): Toronto, Jefferson County

Application or Plans Prepared By: Amendola Engineering, Inc.

Project Name: TIMET NPDES Permit Renewal Application

NPDES Permit Number (if applicable): 01E00010*GD

B. Antidegradation Applicability

Is the application for? (check as many as apply):

Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05(B)1, i.e., on-site disposal, extensions of sanitary sewers, spray irrigation, indirect discharger to POTW, etc.). (Complete Section E)

Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants. (Complete Section E, Do not complete Sections C or D).

PTI and NPDES application for a new wastewater treatment works that will discharge to a surface water. (Complete Sections C and E)

An expansion/modification of an existing wastewater treatment works discharging to a surface water that will result in any of the following (PTI and NPDES): (Complete Section C and E)

- addition of any pollutant not currently in the discharge, or
- an increase in mass or concentration of any pollutant currently in the discharge, or
- an increase in any current pollutant limitation in terms of mass or concentration.

_____ PTI that involves placement of fill or installation of any portion of a sewerage system (i.e., sanitary sewers, pump stations, WWTP, etc.) within 150 feet of a stream bed. Please provide information requested on the stream evaluation addendum (i.e., number of stream crossings, fill placement, etc.) and complete section E.

_____ Initial NPDES permit for an existing treatment works with a wastewater discharge prior to October 1, 1996. (Complete Sections D and E)

Renewal NPDES permit or modification to an effective NPDES permit that will result in any of the following: (Complete Section C and E)
► a new permit limitation for a pollutant that previously had no limitation, or
► an increase in any mass or concentration limitation of any pollutant that currently has a limitation.

C. Antidegradation Information

1. Does the PTI and/or NPDES permit application meet an exclusion as outlined by OAC 3745-1-05(D)(1) of the Antidegradation rule?

Yes (Complete Question C.2)

No (Complete Questions C.3 and C.4)

2. For projects that would be eligible for exclusions provide the following information:

- a. Provide justification for the exclusion. **See Attachments A & B.**
- b. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration. **See Attachments A & B.**
- c. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed. **NA**

3. Are you requesting a waiver as outlined by OAC 3745-1-05(D)(2-7) of the Antidegradation rule?

No

Yes

If you wish to pursue one of the waivers, please identify the waiver and submit the necessary information to support the request. Depending on the waiver requested, the information required under question C.4 may be required to complete the application.

4. For all projects that do not qualify for an exclusion a report must accompany this application evaluating the preferred design alternative, non-degradation alternatives, minimal degradation alternatives, and mitigative techniques/measures for the design and operation of the activity. The information outlined below should be addressed in this report. If a waiver is requested, this section is still required.

- a. Describe the availability, cost effectiveness and technical feasibility of connecting to existing central or regional sewage collection and treatment facilities, including long range plans for

sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

- b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the effected water resource.
- c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and there respective operational and maintenance needs. (If additional space is needed please attach additional sheets to the end of this addendum).

Preferred design alternative: _____

Non-degradation alternative' (s) : _____

Minimal degradation alternative' (s) : _____

Mitigative technique/measure' (s) : _____

At a minimum, the following information must be included in the report for each alternative evaluated.

- d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.
- e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
- f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.
- g. Describe any impacts to human health and the overall quality and value of the water resource.
- h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.
- i. Describe environmental benefits to be realized through this proposed project.
- j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

- k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.
- l. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.
- m. Provide any other information that may be useful in evaluating this application.

D. Discharge Information

1. For treatment/disposal systems constructed pursuant to a previously issued Ohio EPA PTI, provide the following information:

PTI Number _____
PTI Issuance Date _____
Initial Date of Discharge _____

2. Has the appropriate NPDES permit application form been submitted including representative effluent data?

Yes (go to E)

No (see below)

If no, submit the information as applicable under a OR b as follows:

- a. For entities discharging process wastewater attach a completed 2C form.
- b. For entities discharging wastewater of domestic origin attach the results of at least one chemical analysis of the waste stream for all pollutants for which authorization to discharge is being requested and a measurement of the daily volume (gallons per day) of wastewaters being discharged.

- E. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete.

This section must be signed by the same responsible person who signed the accompanying permit application or certification as per 40 CFR 122.22.

Signature 

Date 125106

Titanium Metals Corporation
Toronto, Ohio
Ohio EPA Permit No. 01E00010*GD

Antidegradation Review - Attachment A

Antidegradation Review - Effluent Limits (effluent limits in kg/day)

Outfall 602 - Titanium Processing

Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits			Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits		
	Monthly	Daily	Maximum	Monthly	Daily	Maximum		Monthly	Average	Maximum	Monthly	Average	Maximum
TSS	65.6	138.2	59.4	124.9	6.2	13.3	66.6	140.3	59.4	124.9	7.2	15.4	
Oil & Grease	40.4	67.3	36.5	60.8	3.9	6.5	41.0	68.3	36.5	60.8	4.5	7.5	
Ammonia-N	23.6	53.6	23.3	52.7	0.3	0.9	26.6	60.4	23.3	52.7	3.3	7.7	
T. Cyanide	0.048	0.117	0.048	0.104	0.000	0.013	0.055	0.132	0.048	0.104	0.007	0.028	
Fluoride	10.6	24.0	10.5	23.6	0.1	0.4	12.0	27.0	10.5	23.6	1.5	3.4	
T. Chromium													
T. Lead	0.081	0.170	0.079	0.167	0.002	0.003	0.091	0.191	0.079	0.167	0.012	0.024	
T. Nickel													
T. Zinc	0.246	0.589	0.242	0.562	0.004	0.027	0.277	0.663	0.242	0.562	0.035	0.101	

Outfall 620 - Zirconium/Hafnium Processing

Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits			Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits		
	Monthly	Daily	Maximum	Monthly	Daily	Maximum		Monthly	Average	Maximum	Monthly	Average	Maximum
TSS	52.2	109.9	44.6	93.8	7.6	16.1	7.6	7.6	7.6	16.1			
Oil & Grease	32.2	53.5	27.5	45.7	4.7	7.8	4.7	4.7	4.7	7.8			
Ammonia-N	20.8	47.2	14.5	32.4	6.3	14.8	6.3	6.3	6.3	14.8			
T. Cyanide	0.043	0.103	0.030	0.103	0.013	0.000	0.013	0.013	0.013	0.028			
Fluoride	9.4	21.1	6.5	14.7	2.9	6.4	2.9	2.9	2.9	6.4			
T. Chromium	0.005	0.012	0.004	0.009	0.001	0.003	0.001	0.001	0.001	0.003			
T. Lead													
T. Nickel	0.066	0.138	0.05	0.10	0.016	0.038	0.016	0.016	0.016	0.038			
T. Zinc	0.035	0.054	0.03	0.04	0.005	0.014	0.005	0.005	0.005	0.014			
	0.199	0.478	0.14	0.33	0.059	0.148	0.059	0.059	0.059	0.148			

Outfall 622 - Titanium Processing with Billet Pickling

Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits			Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits		
	Monthly	Daily	Maximum	Monthly	Daily	Maximum		Monthly	Average	Maximum	Monthly	Average	Maximum
TSS	65.6	138.2	59.4	124.9	6.2	13.3	66.6	140.3	59.4	124.9	7.2	15.4	
Oil & Grease	40.4	67.3	36.5	60.8	3.9	6.5	41.0	68.3	36.5	60.8	4.5	7.5	
Ammonia-N	23.6	53.6	23.3	52.7	0.3	0.9	26.6	60.4	23.3	52.7	3.3	7.7	
T. Cyanide	0.048	0.117	0.048	0.104	0.000	0.013	0.055	0.132	0.048	0.104	0.007	0.028	
Fluoride	10.6	24.0	10.5	23.6	0.1	0.4	12.0	27.0	10.5	23.6	1.5	3.4	
T. Chromium													
T. Lead	0.081	0.170	0.079	0.167	0.002	0.003	0.091	0.191	0.079	0.167	0.012	0.024	
T. Nickel													
T. Zinc	0.246	0.589	0.242	0.562	0.004	0.027	0.277	0.663	0.242	0.562	0.035	0.101	

Outfall 622 - Titanium Processing with Billet Pickling

Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits			Proposed Technology- Based Limits	Current NPDES Permit Limits			Proposed Net Increase in Mass Limits		
	Monthly	Daily	Maximum	Monthly	Daily	Maximum		Monthly	Average	Maximum	Monthly	Average	Maximum
TSS	65.6	138.2	59.4	124.9	6.2	13.3	66.6	140.3	59.4	124.9	7.2	15.4	
Oil & Grease	40.4	67.3	36.5	60.8	3.9	6.5	41.0	68.3	36.5	60.8	4.5	7.5	
Ammonia-N	23.6	53.6	23.3	52.7	0.3	0.9	26.6	60.4	23.3	52.7	3.3	7.7	
T. Cyanide	0.048	0.117	0.048	0.104	0.000	0.013	0.055	0.132	0.048	0.104	0.007	0.028	
Fluoride	10.6	24.0	10.5	23.6	0.1	0.4	12.0	27.0	10.5	23.6	1.5	3.4	
T. Chromium													
T. Lead	0.081	0.170	0.079	0.167	0.002	0.003	0.091	0.191	0.079	0.167	0.012	0.024	
T. Nickel													
T. Zinc	0.246	0.589	0.242	0.562	0.004	0.027	0.277	0.663	0.242	0.562	0.035	0.101	

Titanium Metals Corporation
Toronto, Ohio
Ohio EPA Permit No. 0IE00010*GD

Antidegradation Review - Attachment B

Amendola Engineering
19-Jan-06

Antidegradation Review - Ohio River TMDLs for Pollutants with WQ Criteria

Ohio River water quality design flow				Ohio River total hardness				Proposed Net Increase in Mass Limits (kg/day)			
				Ohio River pH		Ohio River temperature		Monthly		Daily	
				Ohio River		Background WQ		Average		Maximum	
Ohio River WQ Criteria	Chronic	Acute	(mg/L)	Ohio River Background WQ (mg/L)	Chronic	Acute	(mg/L)	Ohio River WLA Chronic (WLA in kg/day)	Acute (WLA in kg/day)	Ohio River WLA Chronic (kg/day)	Acute (kg/day)
Ammmonia-N	0.9	8.2	0.06	0.06	0.84	8.14	0.041	1,191.9	1,155.0	6.3	14.8
Free Cyanide	0.012	0.046	0.005	0.005	0.007	1.57	NA	9.9	5.8	0.013	0.028
Fluoride	2.000	NA	0.43	0.43	0.1008	2.1278	2.227.8	NA	2.9	6.4	0.13%
TR Chromium	0.102	2.129	0.0012	0.0012	0.0072	0.1572	143.0	301.9	0.001	0.003	NA
TR Lead	0.008	0.158	0.0008	0.0008	0.0044	0.0044	0.05526	10.2	22.3	0.016	0.038
TR Nickel	0.062	0.537	0.0044	0.0044	0.0087	0.1333	0.1333	81.7	78.4	0.005	0.014
TR Zinc	0.142	0.142	0.0087	0.0087	0.1333	0.1333	0.1333	189.1	189.1	0.059	0.148

Ammmonia-N WQ criteria based on Ohio River pH of 7.9 and warm weather River temperature of 85oF.

Metal WQ criteria based on Ohio River total hardness of 122.5 mg/L.

Fluoride WQ criteria of 2.0 mg/L from OAC 3745-1-07, Table 7-12, agricultural uses. There are no aquatic life criteria for fluoride (see OAC 3745-1-07, Table 7-1).

Ohio River background water quality from ORSANCO monitoring data at New Cumberland (MP 54.4) for all pollutants except fluoride for the period January 2003 to May 2005. Ohio River background data for fluoride obtained from Ohio River intake monitoring by Mountain State Carbon LLC. See Mountain State Carbon LLC renewal NPDES permit application November 2005, (West Virginia).

Antidegradation Review - Total Suspended Solids and Oil & Grease

Proposed maximum monthly average TSS discharge for treatment system effluent

66.6 kg/day
 40.1 kg/day

Proposed maximum monthly average O&G discharge for treatment system effluent

12.1 mg/L
 7.5 mg/L

Calculated Outfall 006 effluent TSS concentration at effluent flow of 1.44 mgd
 Calculated Outfall 006 effluent O&G concentration at effluent flow of 1.44 mgd
 Calculated effluent concentrations for TSS and oil & grease are less than threshold concentrations of 65 mg/L and 10 mg/L, respectively, required for de minimus exclusion set out at OAC 3745-1-05(D)(1)(h)(i) and (ii).

All proposed net increases of the above limited pollutants are de minimus (i.e., less than 10% of the waste load allocation to maintain water quality standards). The proposed lowering of water quality does not exceed 80% of the wastewater allocation, [see OAC 3745-1-05(D)(1)(b)(i)]. The waste load allocation was conducted according to procedures set out at OAC 3745-2-05(A)(f) for the Ohio River.

Antidegradation Review - Attachment C

**ORSANCO Ohio River Water Quality Monitoring Data
New Cumberland Monitoring Station, Mile Point 54.4**

*Amendola Engineering
19-Jan-06*

Date	Total Hardness	Ammonia-N (mg/l)	T. Cyanide (mg/l)	Chromium (ug/l)	Nickel (ug/l)	Zinc (ug/l)	Lead (ug/l)
		Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
1/7/2003	164	0.08	<	0.005	1.3	3.7	6.1
3/5/2003	104	0.06	<	0.005	1.0	4.1	4.8
5/8/2003	116	<	0.03		0.9	2.5	2.7
7/14/2003	104	0.04		0.3	1.0	1.4	4.4
9/15/2003	88	0.05		<	0.1	0.9	3.3
11/12/2003	104	<	0.03	0.005	0.5	1.5	2.8
01/26/04	156	0.14	<	0.005	0.7	6.9	2.1
03/04/04	120	0.16	<	0.005	0.5	5.3	6.0
05/12/04	150	<	0.03		<	0.1	0.1
07/15/04	140	0.06			0.1	3.1	3.0
09/23/04	84	0.10			0.9	1.8	2.6
09/26/04					0.3	1.9	3.3
11/04/04	140	<	0.03	0.005	0.1	0.8	1.1
01/20/05	88	0.06	<	0.005	<	1.2	4.3
03/16/05	116	0.08	<	0.005	0.6	5.8	6.5
05/12/05	104	<	0.03		0.2	0.6	2.9
Average	122.5	<	0.06	0.005	0.46	1.16	3.51
						4.43	3.79
						8.67	8.67
						<	0.10
							0.80

Source:

<http://www.orsanco.org/data/default.asp>